Ontario

Ministry of Transportation and Communications

Ministry of Northern Affairs

Highway Program Development Branch

Provincial Highways Construction Projects 1982-83

April 1982

THE COVER

This year's cover features the recently completed freeway interchange at the Queen Elizabeth Way and Highway 403 near the Oakville-Mississauga boundary. The new Highway 403 link through Mississauga will connect this interchange at the west end to Highway 401 near Toronto International Airport at the east end providing an alternative freeway route between the heavily travelled Queen Elizabeth Way and Highway 401. Completion of the whole facility is scheduled during the Fall of 1982 at a total construction cost of approximately 100 million dollars.

The scene provides an aerial view, looking westerly, showing the Highway 403 connections to and from the west on the Queen Elizabeth Way as well as Upper Middle Road in the centre and the Ford Drive Interchange in the background.

FOREWORD

This publication presents the proposed Capital Construction projects for 1982-83 which includes new highway projects to commence this year as well as unfinished contracts from previous years that have significant expenditure this year. The projects provide for improvements to existing roads, construction of new links to expand the highway system, and include some projects to be undertaken by the Ministry for other authorities or agencies under cost sharing agreements.

The Government of Ontario's Board of Industrial Leadership and Development Program (BILD), has enabled the Ministry to accelerate major freeway projects in the Golden Horseshoe area, such as Highway 406 at St. Catharines and Highways 400, 403, 404 and 427 in the Metropolitan Toronto area. Construction of a major new Highway 403 link from Brantford to Woodstock will commence in 1982 and capacity improvements to the Queen Elizabeth Way Burlington Beach crossing are continuing this year.

Other major work projects in 1982 will include Highway 402 between Sarnia and London and the widening of Highway 401 to six lanes in the Bowmanville and Milton areas. Four lane widening to increase the capacity of the provincial highway network will be carried out on Highway 18 north of Amherstburg, Highway 24 from Brantford northerly, and on Highway 35 just north of Highway 2.

Construction of new two lane links is continuing on Highway 3 New between Essex and Ruthven, Highway 6 New Caledonia Bypass, Highway 16 New from the Rideau River northerly, and Highway 17 New bypassing Pembroke. Work is also continuing on the reconstruction of existing roads to provide a truck bypass of Woodstock.

Rehabilitative work such as resurfacing and reconstruction must continue on a regular basis in order to maintain the existing highway system. This year's projects include Highway 401 west of London and in the Metropolitan Toronto area, Highway 7 Kitchener easterly, Highway 20 Fonthill westerly, Highway 400 south of Coldwater, Highway 7 east of Markham, Highway 28 north of Peterborough, Highway 507 south of Gooderham, Highway 511 Calabogie southerly, and Highway 417 Ottawa easterly.

The Ministry is placing more emphasis on the rehabilitation of structures, which have been integrated into the Ministry's construction projects. This year the bulk of the work under the rehabilitation program will be concentrated on the following highways; Highway 427, which includes three major projects south of Bloor Street, Highway 401 where 16 deck rehabilitations are incorporated under the rehabilitation of the Toronto Bypass, The Ottawa-Queensway from Maitland Road

easterly, involving repairs to six structures and repairs to four structures on the Kitchener-Waterloo Expressway.

There are other structure rehabilitations being completed under other contracts in conjunction with work such as paving, resurfacing, etc. The rehabilitation of structures is also taking place in more isolated locations in Northern Ontario.

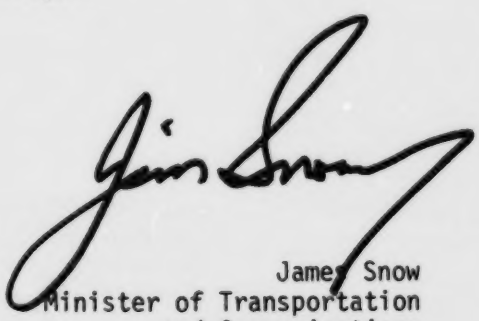
The major work projects for Northern Ontario include the Kenora Bypass, the Sudbury Northwest Bypass, Detour Lake Road, and continuation of the four-laning of Highway 11 on the Callander Bypass south of North Bay. Also included are a number of rehabilitative projects such as Highway 11, 40 km east of Atikokan and from Secondary Highway 584 easterly to Longlac, Secondary Highway 637, 17.5 km west of Highway 69, and Highway 17 west of Raith and from Highway 108 easterly.

With the increasing concern for energy conservation, environmental and economic problems, the recycling method of re-using suitable existing asphaltic concrete pavement was integrated into the Ministry's rehabilitative projects.

Approximately 21 projects were completed during the past construction year using the recycling technique and 28 projects are scheduled for this year. Specific recycling projects are noted in this publication.

There are many benefits derived from using recycled asphalt, the most significant being the saving of non-renewable resources.

Other projects in addition to those highlighted above are also proposed and each has been selected to provide for the essential and efficient operation of the provincial transportation system within the available budget.



James Snow
Minister of Transportation
and Communications

HIGHWAY CONSTRUCTION PROGRAM 1982-83
SOUTHERN ONTARIO

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NOTE: Construction projects listed under the various districts are either new work or contracts under construction with a substantial amount of work yet to be carried out this fiscal year.

THE SECOND SECTION OF THIS BOOK CONTAINS THE INDEX FOR THE HIGHWAY CONSTRUCTION PROGRAM 1982-83, NORTHERN ONTARIO.

FINANCIAL SUMMARY - SOUTHERN ONTARIO

Roads Program 1982-83 Capital and Construction	Estimated Total Value	Proposed Expenditure
Capital Construction Projects	391,369,000	218,344,000
Urban Expressways	6,479,000	5,432,000
Preliminary Project Work	2,800,000	2,500,000
Maintenance Capital	5,700,000	5,700,000
Miscellaneous Construction	18,726,000	16,433,000
SUB-TOTAL	425,074,000	248,409,000
Property Purchase		16,500,000
Support Services		12,224,000
Facilities Construction		3,700,000
TOTAL PROPOSED EXPENDITURE		280,833,000
*FUNDS TO BE VOTED - VOTE 2704 item 3		255,833,000

*Total Program funding will be supplemented through the BILD Program as noted in the Foreword.

EXPLANATION OF FINANCIAL CATEGORIES

Capital Construction Projects

This represents the greatest part of the roads program and consists of major contract work on provincial roads, including contracts carried over from the previous year, as well as proposed new work.

Urban Expressway Agreements

The cost for construction and maintenance of certain facilities through urban municipalities is shared by the Province of Ontario and the municipality under a special agreement. The cost of construction for these facilities is included under this category.

Preliminary Project Work

The estimated cost of such items as utility relocation, advance ordering of construction materials and other work that must be undertaken prior to a contract award, is allocated to this category.

Maintenance Capital

Projects which do not readily fall into either the normal contract process or the maintenance program but which can be carried out effectively on a local level by district forces are included in this summary. These include such things as hazard removals, tree planting, illumination and traffic signals, stockpiling of crushed gravel, etc.

Miscellaneous Construction

This covers a variety of work which is not provided for in the other categories such as:

(i) Projects in which the Ministry is involved as an owner or as an interested party. In many cases the work is carried out by a municipality or other agency and a portion of the cost is paid by the Ministry.

(ii) Construction Overhead - consisting of salaries for certain regional and district personnel (engineering supervisors and staff) whose services cannot be readily allocated to a particular contract or work project.

(iii) Special or Service Contracts - consisting of work supplementary to other contracts, such as landscaping, seeding, subdrains and slotting, and including some full scale research testing.

(iv) Railway Level Crossing Protection - consisting of the installation of automatic signal protection, or the modernization of existing signal protection, at highway-railway level crossings.

Property Purchase

The purchase of property or property rights for the construction and maintenance of provincial highways in Ontario is covered by this category.

Support Services

The cost of several administrative units whose services are an integral function of the acquisition and construction process are included in this category. It includes property branch offices, construction branch offices and the estimating and engineering claims offices.

Facilities Construction

The construction of buildings and sites for patrol yards and for truck inspection stations, both of which contribute to the maintenance of the highway system, are included in this category.

NOTE: Construction Overhead, Property Purchases, Support Services and Facilities construction include funds to provide for these services throughout the province.

MAJOR PROJECTS - SOUTHERN ONTARIO

The following pages describe several projects that have been selected to highlight this year's program. All of these projects involve highway construction of considerable magnitude and cost and each is vital to the efficient performance of the provincial transportation system.

The resumés feature work that has recently been completed, work that is underway and work that is to be awarded this fiscal year. Maps are also included in order to illustrate project locations.

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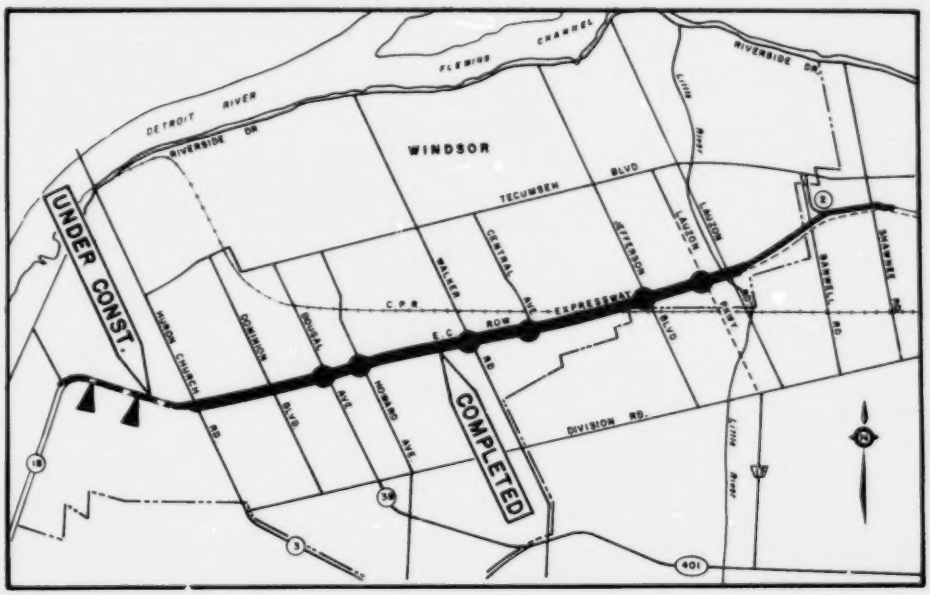
E.C. Row Expressway - Windsor

A functional planning report, commissioned by the Ministry of Transportation and Communications and the City of Windsor, recommended construction of a four lane urban expressway within the City of Windsor, connecting Highway 18 and Highway 2.

To date the expressway has been completed from Huron Church Road to Highway 2. Interchanges have been constructed at Dougall Avenue, Howard Avenue, Walker Road, Central Avenue, Jefferson Boulevard and the Lauzon Parkway. It is basically a four lane facility that narrows to two lanes east of the Lauzon Parkway.

A contract was awarded late in 1981 that will extend the expressway westerly from Huron Church Road to Highway 18. Only the initial two lanes, including structures at Matchette Road and Malden Road, will be constructed under this contract. The work is expected to be completed early in 1983 when traffic will be permitted to travel the full extent of the expressway.

The expressway is being constructed under a cost sharing agreement between the Ministry of Transportation and Communications and the City of Windsor.

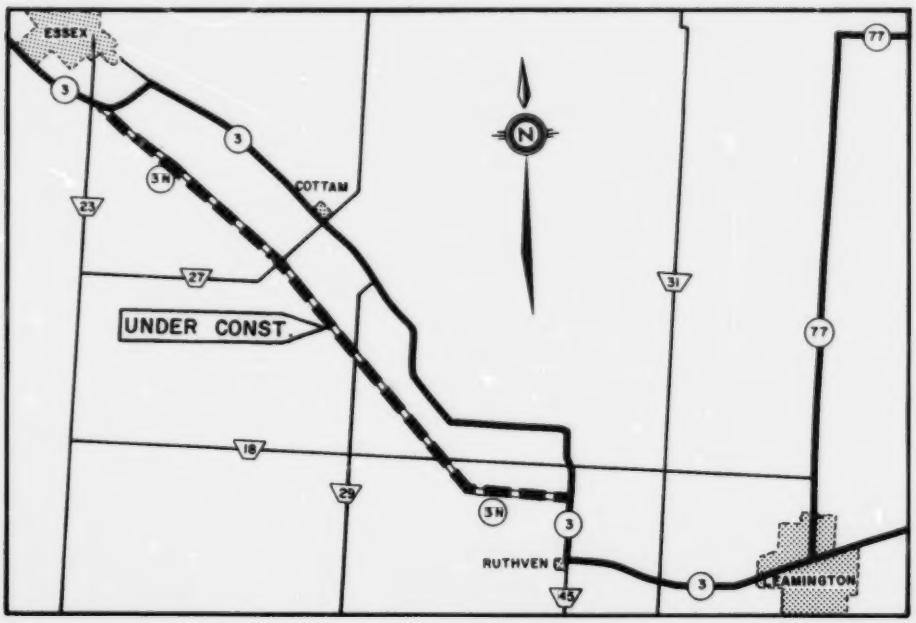


Highway 3 New - From the Essex Diversion Easterly

Planning studies completed in the late 1960's recommended significant improvements to Highway 3 in the Leamington to Windsor corridor.

Based on these recommendations a diversion around Essex was completed in 1971. West of Essex the existing Highway 3 alignment was retained and reconstruction of this section was completed in 1977.

Extensive ribbon development and the winding alignment of Highway 3 between Essex and Leamington preclude extensive improvements to the existing highway. A contract was awarded late in the 1980 fiscal year for the grading and drainage work for a new two lane facility south of existing Highway 3, from the east limits of the Essex Diversion easterly to existing Highway 3 north of Ruthven. This work is estimated to be completed early in 1982 permitting the award of the follow-up paving later this year.



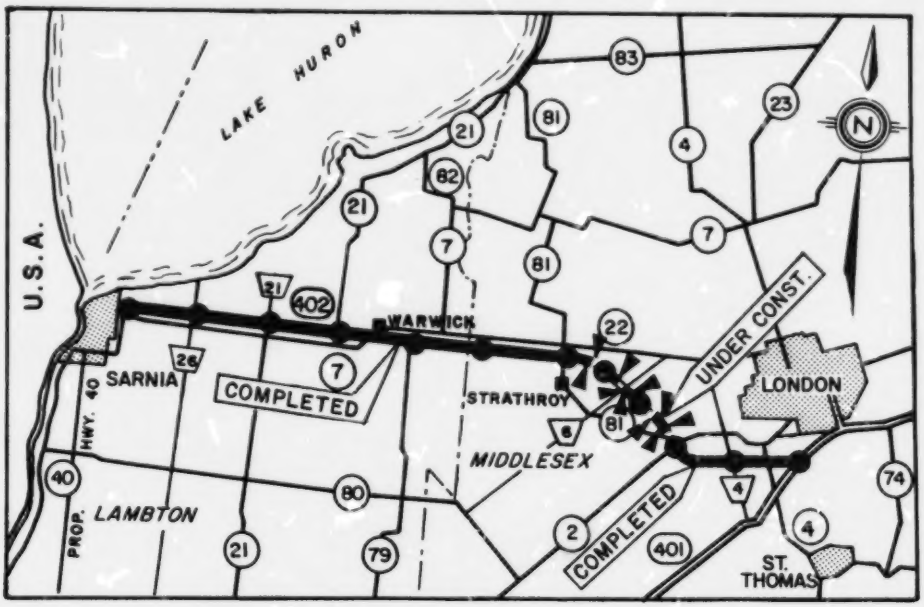
Highway 402 - Sarnia to London

Highway 402 is being constructed as a new four lane rural freeway with full control of access. This facility, when completed, will connect Highway 401 south of London to Sarnia and provide a linkage to the American Interstate Highway System.

The highway is now completed and open to traffic between Sarnia and Highway 81 north of Strathroy and between Highway 401 and Highway 2. This 78.8 km of roadway was constructed at an approximate cost of $80 million.

A contract was awarded late in 1981 for the granular base and paving from Caradoc Concession 6 Road westerly to Highway 81 north of Strathroy. This 10.6 km project is expected to be completed in the fall of 1982.

The grading, drainage, granular base, and structure work for the remaining section from Highway 2 to Caradoc Concession 6 Road is well underway and will be completed in 1982. The final paving contract will be awarded in 1982 following completion of this grading and structure work. This paving contract will complete the construction of Highway 402.

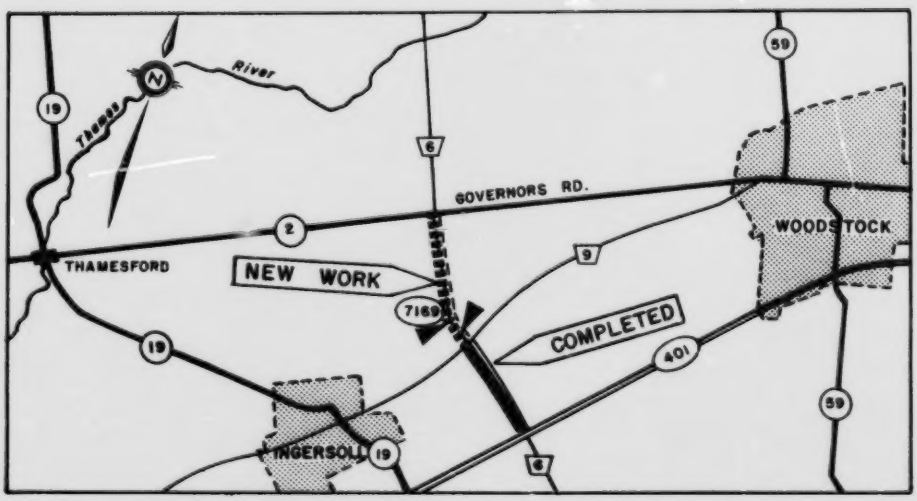


Woodstock Truck Bypass

A Route Planning Study was initiated in 1976 to investigate an alternate route for the heavy truck traffic passing through Woodstock and neighbouring municipalities. The study recommended that a two lane bypass be constructed approximately 9.7 km west of Highway 59. Basically the proposed bypass follows the alignment of Oxford County Road 6 from Highway 401 northerly to Highway 2 (Governors Road).

A contract was awarded late in 1979 for the section from Highway 401 northerly to Oxford County Road 9 (old Highway 2). Under this contract an interchange was built at Highway 401 utilizing the existing structure. A truck climbing lane was also constructed just south of Oxford County Road 9. This work was completed late in 1980 at a cost of $1.8 million.

A further contract is to be awarded this year for the extension of the bypass from Oxford County Road 9 to Highway 2 (Governors Road). This contract will include structures over the Thames River and the Canadian National Railway and a truck climbing lane just north of the Thames River.

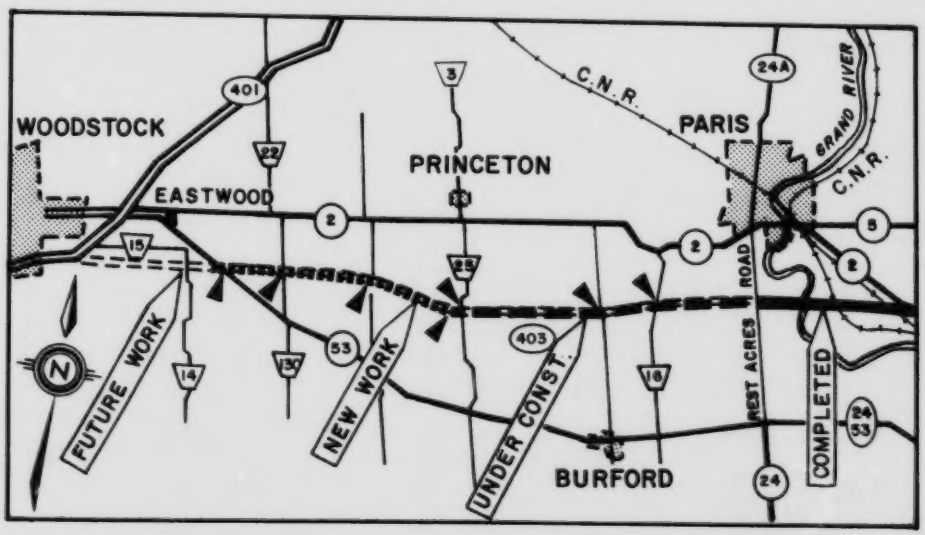


Highway 403 - Brantford to Woodstock

In this area, Highway 403 is completed from Highway 2 just east of Brantford to Rest Acres Road just south of Paris. In view of the heavy volume of through traffic and existing conditions along the parallel section of Highway 2 between Paris and Eastwood, it is proposed to continue Highway 403 westerly towards Highway 401 with a staged construction program.

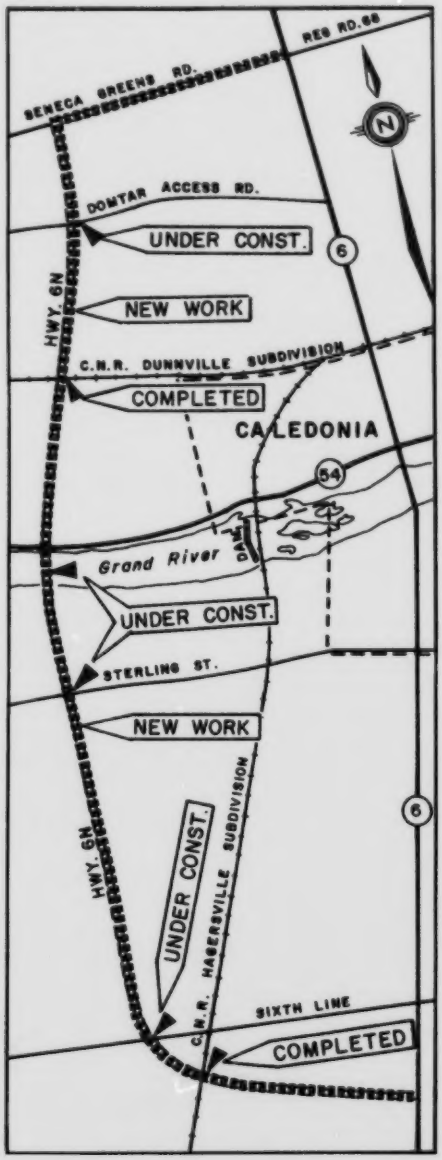
Work will commence on a freeway grading contract between Rest Acres Road and Brant Road 25 south of Princeton in the spring of 1982. Structures and approaches at Brant Road 16, Maple Road and Brant Road 25 are included.

The next grading contract between Brant Road 25 and Highway 53, which includes four structures, is scheduled for award later in the fiscal year. The granular base and paving contracts on this link will follow completion of the grading contracts.



Highway 6 New - Caledonia Bypass

Staged construction on the Caledonia Bypass is well underway. Two railroad subways located on the Dunnville and Hagersville subdivisions were completed during the fall of 1980. Work on the structures and approaches at the Grand River, Sterling Street, Sixth Line and the Domtar Access Road is progressing well with completion expected during the summer of 1982. Award of the grading, drainage, granular base and paving contract for the remaining work on the Bypass will closely follow completion of the above structure contract.

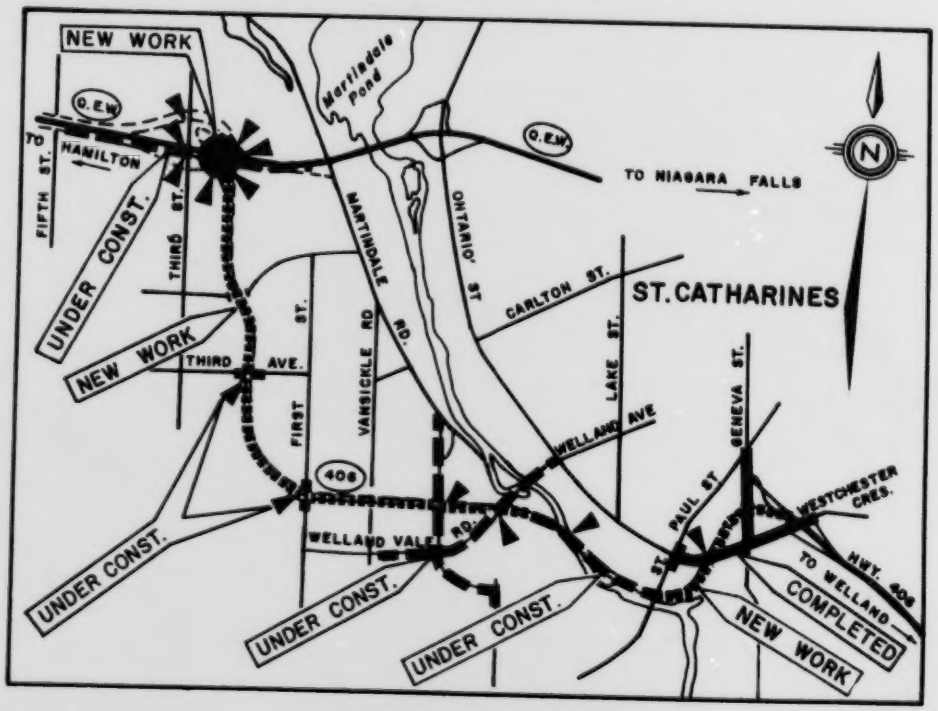


Highway 406 - St. Catharines

The Ministry is continuing with staged construction on Highway 406 between Westchester Crescent and the Queen Elizabeth Way in cooperation with the Regional Municipality of Niagara and the City of St. Catharines. The realignment of Welland Vale Road and Martindale Road west of Twelve Mile Creek is well underway. Completion of this work early in the summer will finalize rearrangements to the local streets in the central business district.

Construction of the Twelve Mile Creek bridges, including advance grading southerly to St. Paul Street is progressing on schedule with completion expected later this summer. Following this, a further stage of the advance grading and drainage work on the section between Westchester Crescent and First Street will be awarded.

The resurfacing of the Queen Elizabeth Way and construction of the Service Roads between Fifth Street and Martindale Road is scheduled for completion later this summer. Following this, the advance grading and drainage work on the section between the Queen Elizabeth Way and First Street, including six ramp overpasses in the Highway 406/Queen Elizabeth Way Interchange, will be awarded. Also on this section, the underpasses and approaches at Third Avenue and First Street, are scheduled for completion during the summer of 1982.



Queen Elizabeth Way - Burlington to Hamilton

In view of the lengthy rush-hour congestion that interrupts the free flow of through traffic, there is a demonstrated need to increase the traffic capacity on the Queen Elizabeth Way between Burlington and Hamilton.

The Ministry now proposes four contracts on the new four lane arterial road between Highway 2 in Burlington and Burlington Street/Woodward Avenue in Hamilton this fiscal year.

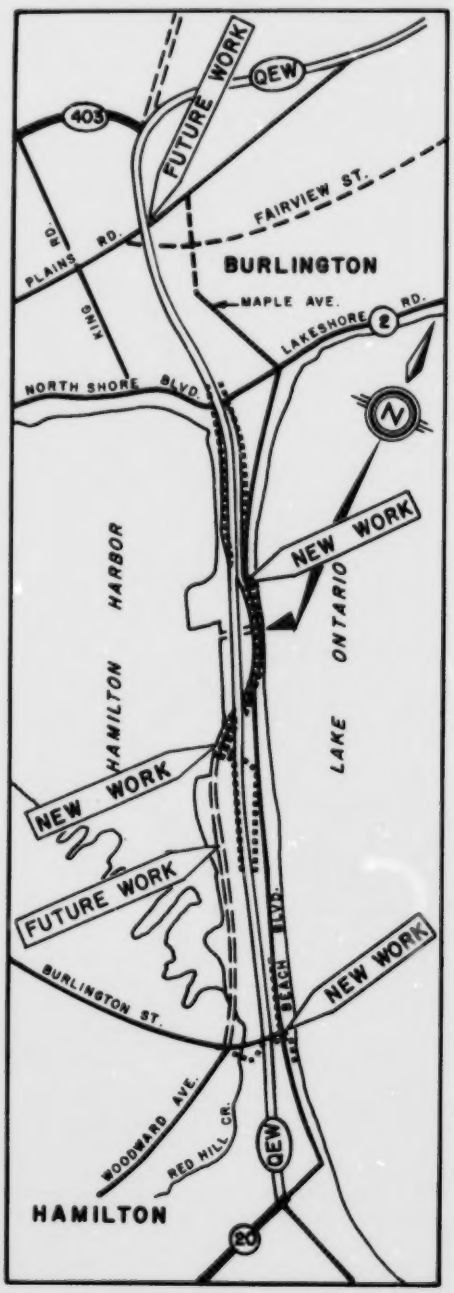
A contract for modification of the deck on the canal lift bridge from two to four lanes including associated widening on the approaches will be awarded by the Federal Ministry of Transport to coincide with the 1982-83 winter closing of the canal.

The contract north of the canal includes reconstruction of the Highway 2 interchange with three new overpasses and the connecting ramps to and from the north approach to the canal.

The contract south of the canal includes the arterial road from the south approach to the canal under the south end of the existing skyway and the connecting ramps to and from the Queen Elizabeth Way.

Also, there will be modifications to the Burlington Street/Woodward Avenue and Queen Elizabeth Way interchange complex to enhance the operational flow of traffic between Hamilton arterial roads and the freeway.

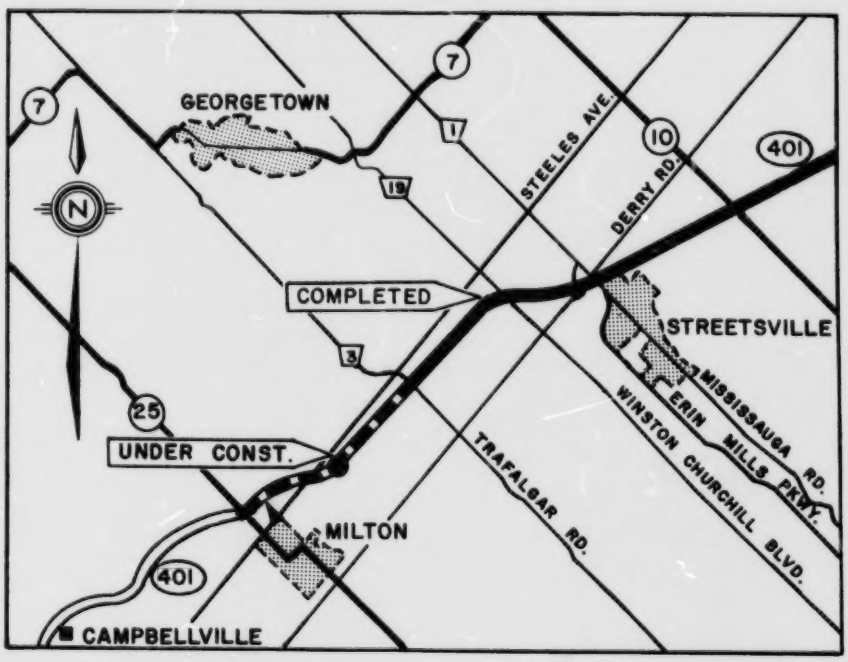
Due to the scope, complexity, high cost and environmental considerations, future capacity expansion on this major freeway facility will be staged over the next several years.



Highway 401 - West of Mississauga

The widening of Highway 401 to six lanes west of Metropolitan Toronto has been completed to 1.1 km west of Trafalgar Road.

Construction will continue westerly to the Highway 25 Interchange in the Spring of 1982. In addition to 8.5 km of six-laning, this contract includes a new interchange for the proposed James Snow Parkway 3.8 km east of Highway 25. This new facility will provide a more direct access from the new development in the east and south sectors of Milton to Highway 401.

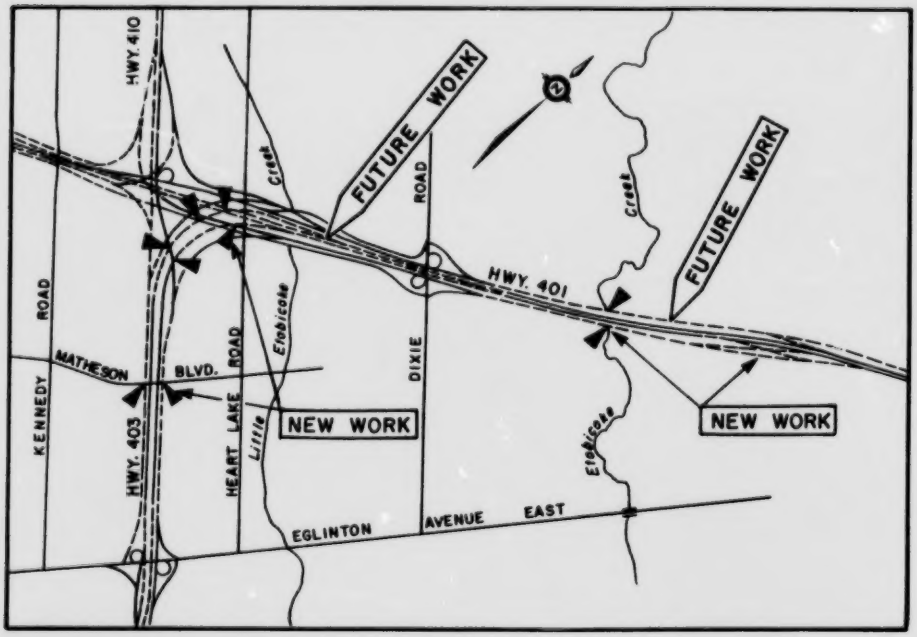


Highway 401 - Renforth Drive to Highway 403

The Ministry proposes to increase the traffic capacity on Highway 401 adjacent to the Toronto International Airport by extending the collector/distributor system westerly through the Highway 403 Interchange. With consideration to the complexity, high cost and traffic management requirements staged construction will be ongoing for a number of years.

There are three advance structure contracts including a total of ten bridges scheduled for award later this fiscal year. One contract includes the overpasses at Matheson Boulevard for the north and southbound collectors on Highway 403. Another contract includes bridges at Etobicoke Creek for the east and westbound collectors on Highway 401 and the eastbound Basketweave structure for the core to collector transfer lanes east of Etobicoke Creek. The contract in the centre of the Highway 401/403 Interchange includes five overpasses on the core ramps.

Two follow-up roadwork contracts are scheduled to follow completion of these advance structures.

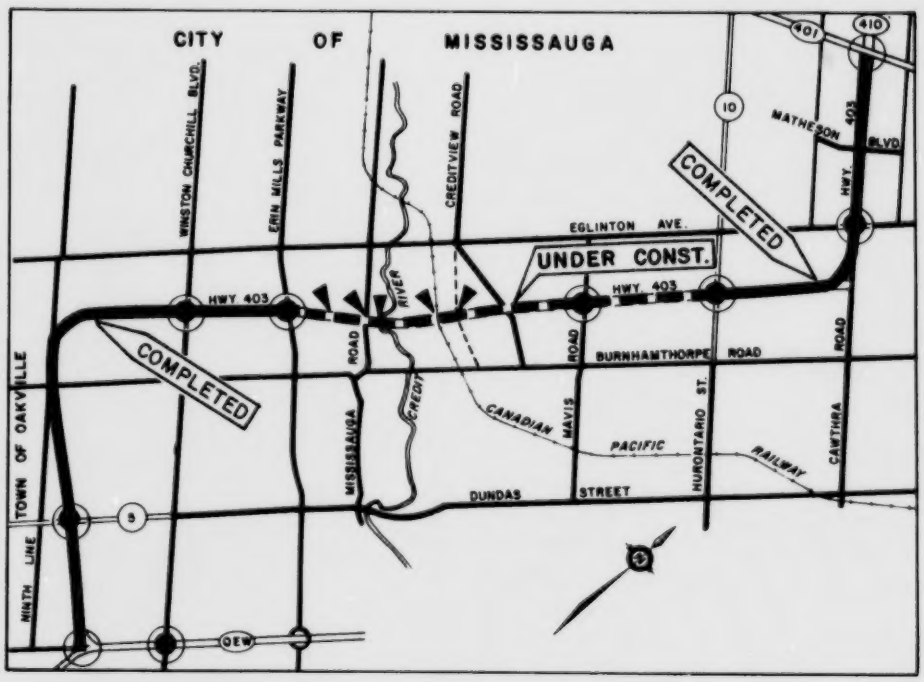


Highway 403 - Mississauga

Construction on this new freeway connection between the Queen Elizabeth Way and Highway 401 is now in the final stage.

The easterly section is open from Highway 10 to Highway 401 and the westerly section is open from Erin Mills Parkway to the Queen Elizabeth Way. Construction on the central section between Erin Mills Parkway and Highway 10 is well advanced with completion scheduled for the Fall of 1982.

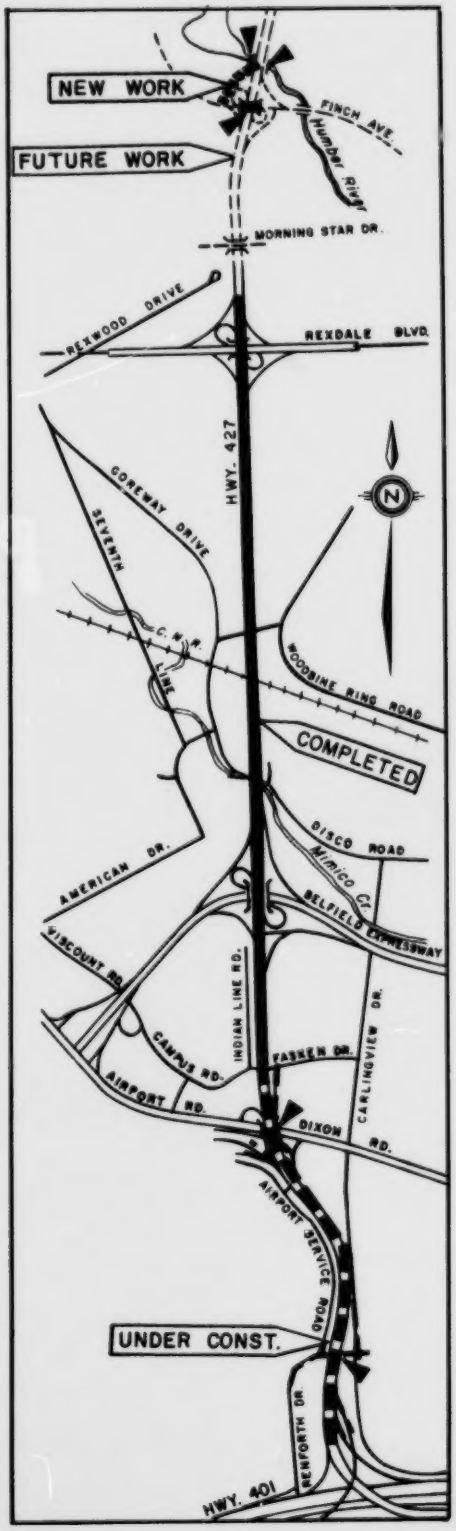
When completed, this 22 km freeway facility will have taken six years to construct at a cost of approximately 100 million dollars.



Highway 427 - North of Highway 401

The reconstruction of Highway 427, adjacent to the Toronto International Airport, from just north of Highway 401 northerly to Fasken Drive, is progressing according to schedule with completion expected during the Fall of 1982.

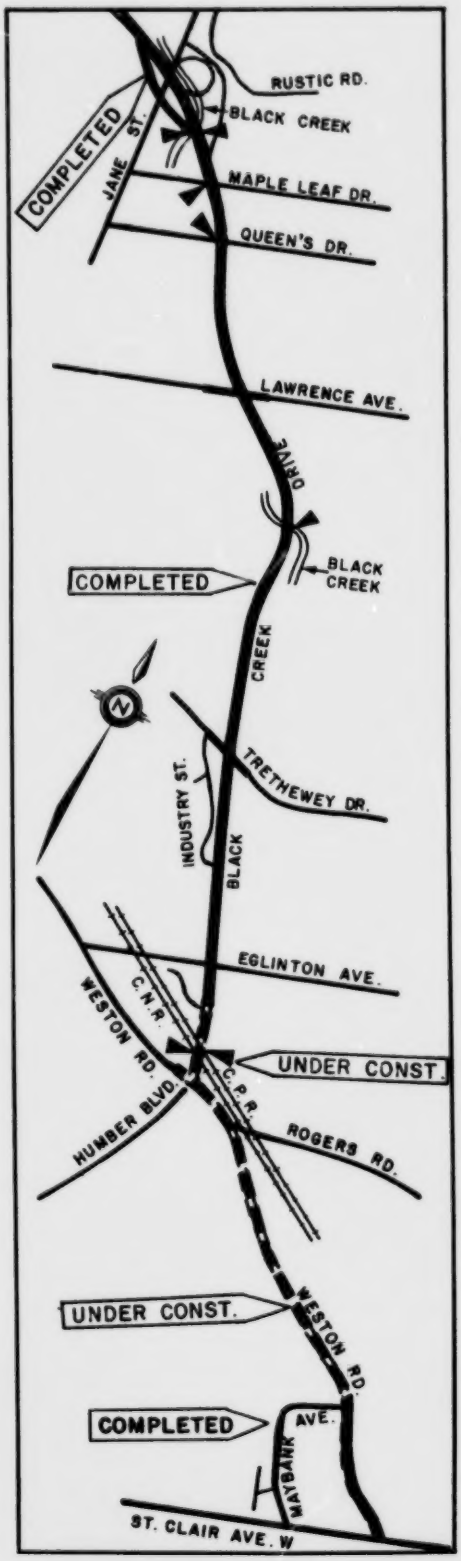
The Ministry is still proposing a continuous construction program on the northerly extension of Highway 427 north of Rexdale Boulevard. An advance structure contract which includes the Humber River bridges and the Finch Avenue extension underpass with associated grading and detours is now scheduled for award this year. The remaining roadwork from Rexdale Boulevard to just north of the Humber River will follow completion of the advance structure work.



Black Creek Drive - From Jane Street Southerly

This arterial road is being built to relieve congestion on the municipal street system in the northwest sector of the city. The section from Jane Street to Eglinton Avenue and around the block bounded by St. Clair Avenue West, Maybank Avenue and Weston Road is completed.

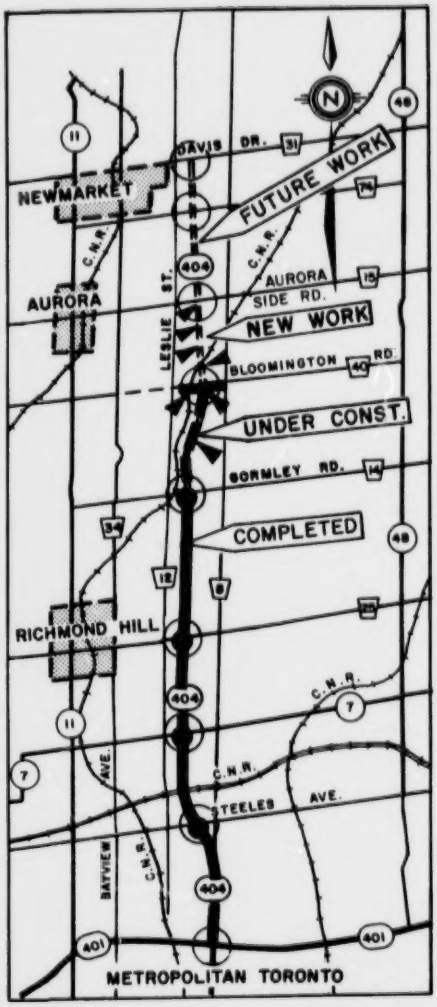
Construction on the twin subways for the Canadian National and Canadian Pacific Railways between Eglinton Avenue and Weston Road is well advanced. The remaining contract for reconstruction of Weston Road from Humber Boulevard to Maybank Avenue including a new link between Eglinton Avenue and Weston Road at Humber Boulevard is now underway with completion anticipated during the late Summer of 1982.



Highway 404 - North of Metro Toronto

The continuing staged construction program on this new freeway facility is progressing northerly.

Work is well advanced on the section between Gormley Road and the Holland River including the Bloomington Road extension to Leslie Street with completion anticipated during the Summer of 1982. A further contract for advance structures at the Canadian National Railway, Vandorf Sideroad, Holland River and the Aurora Sideroad is currently scheduled for award later this year. The remaining roadwork between the Bloomington Road extension and the Aurora Sideroad will follow completion of the advance structure work.



Highway 400 - North of Barrie

Due to the high volume of recreational traffic north of Barrie, a program has been implemented to upgrade Highway 400 to a fully controlled access four lane highway from Highway 11 to Muskoka Road 5 (Honey Harbour Road).

Since the program began late in 1977 Highway 400 has been widened between Highway 11 and Highway 93 with interchanges at Simcoe County Road 11, Simcoe County Road 22 and Highway 93. The cost to construct this 19.5 km segment was $10.3 million.

In 1980, a contract was awarded to extend the four laning northerly an additional 14.0 km to Simcoe County Road 19 south of Coldwater. Under this contract, interchanges and associated service road connections will be constructed at Mount St. Louis Road and Simcoe County Road 19. Construction on this section of Highway 400 is expected to be completed during the summer of 1982.

Late this year a contract will be awarded extending the widening a further 7.7 km to 1.8 km north of Simcoe County Road 23. The proposed work includes interchanges at the south entrance to Coldwater and at Simcoe County Road 23 and a service road connection from the south entrance interchange to the Coldwater Side Road.

Highway 11 - North of Orillia

High traffic volumes and heavy strip development have resulted in severe operational problems on Highway 11 north of Orillia. In 1977 a continuous construction program was undertaken to improve these conditions on Highway 11 from Barrie northerly to Gravenhurst. The work involves pavement widening, resurfacing, intersection improvements, erection of median barriers, and construction of grade separations and interchanges at appropriate locations.

Work has now been completed between Crown Hill and Cumberland Beach north of Orillia.

Late in the 1981 fiscal year a contract was awarded to extend the work from Cumberland Beach to south of Highway 169, Washago. This 6.4 km section including interchanges at the Twelfth and Fourteenth Concessions of Orillia Township, is expected to be completed late this year.

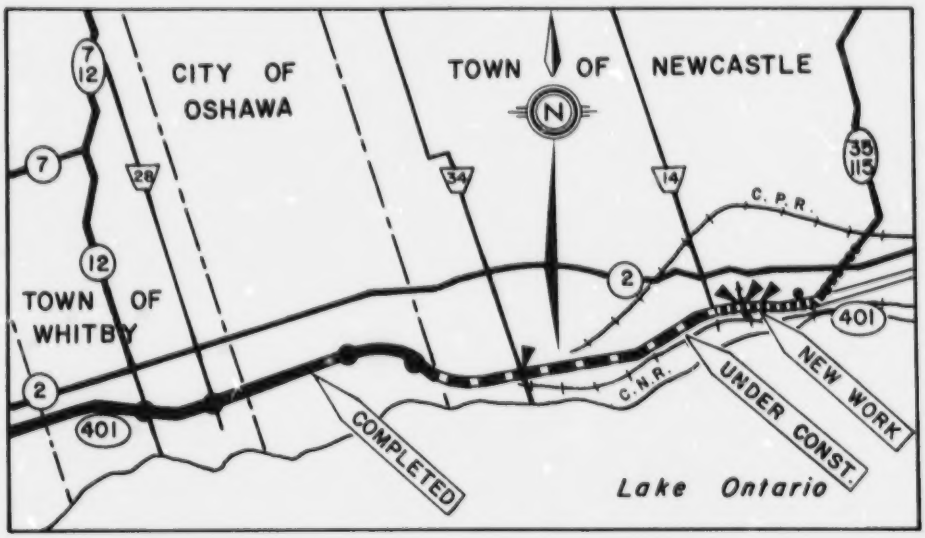
Highway 401 - East of Oshawa

The widening of Highway 401 to six lanes east of Metropolitan Toronto has been completed to 2.3 km east of Harmony Road, Oshawa.

Construction on the next section which extends easterly to Waverly Road in Bowmanville is substantially completed with only the top course pavement yet to be placed in the Spring of 1982.

The Canadian National Railway is to proceed with construction of a new subway just east of Waverly Road during the 1982 construction season. This work includes partial relocation of the spur line which serves industry in Bowmanville and will eliminate the existing level crossing on Highway 401.

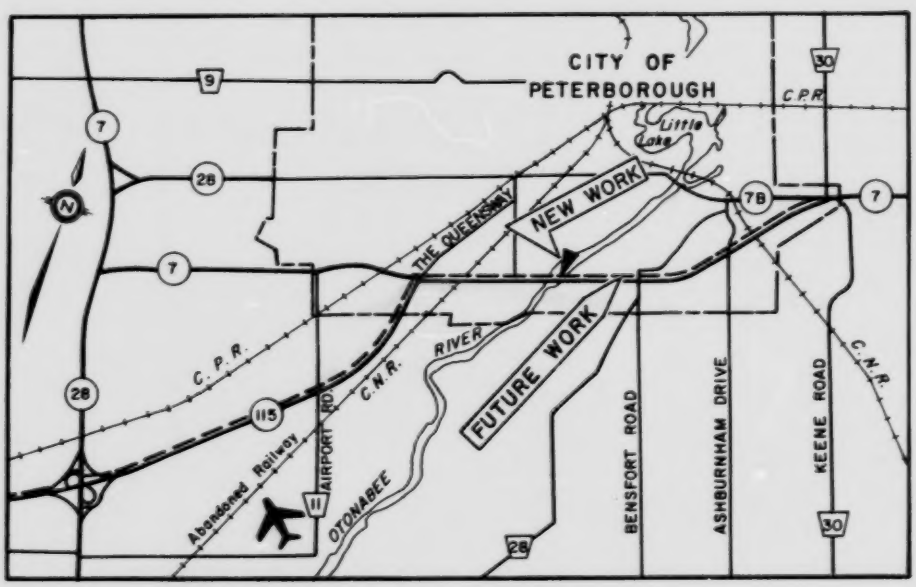
A further contract to widen Highway 401 to six lanes from Waverly Road easterly to the Highway 35/115 Interchange and to widen Highway 35/115 to four lanes from Highway 401 northerly to just north of the Highway 2 Interchange is scheduled for award early in the 1982 fiscal year. This work includes widening of three structures on Highway 401 and one structure on Highway 35/115, modification of the Highway 2 Interchange and improvements to the Bowmanville Truck Inspection Station.



Highway 7 - Peterborough

To assist with the promotion of economic development in the Peterborough area, the Ministry proposes to widen Highways 35, 115 and 7 to a four-lane cross section between Highway 401 at Newcastle and Highway 7B east of Peterborough. In consideration of the length and high cost, this intent will be accomplished by staged construction over the next several years.

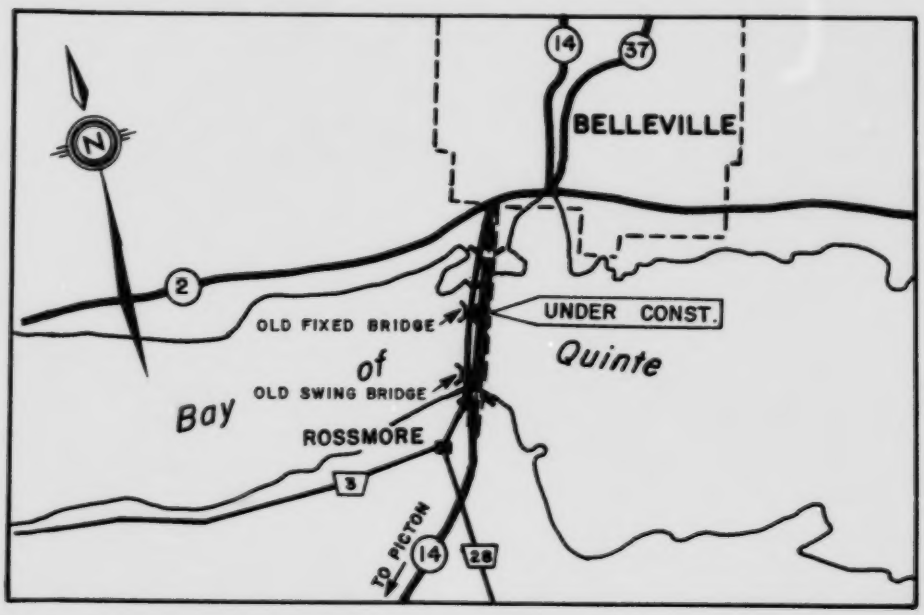
The initial project on the Peterborough Bypass, scheduled for award in 1982, will be a twin bridge at the Otonabee River. The roadwork between the Queensway and Highway 7B will closely follow completion of this advance structure work.



Highway 14 - Norris Whitney Bridge, Belleville

A contract for construction of a new high level fixed bridge was awarded in 1980. The new bridge on Highway 14 crossing the Bay of Quinte will relieve a traffic delay problem due to the operation of the existing swing bridge during the navigation season. The bridge will be 881 metres long with a vertical clearance of 23 metres over the shipping channel. It will be a structural steel plate girder type of bridge with a concrete deck and will be located immediately east of the existing bridges and causeway.

It is anticipated the new bridge could be open to traffic late in 1982. The existing swing bridge, fixed bridge and causeway will be removed when the new structure is completed.



Highway 16 New - From The Rideau River to Regional Road 8, Manotick

New Highway 16 has been constructed from Highway 401 northerly to north of Highway 43 including a structure over the Rideau River. Extension of this construction further north to just south of Regional Road 8 near Manotick is planned.

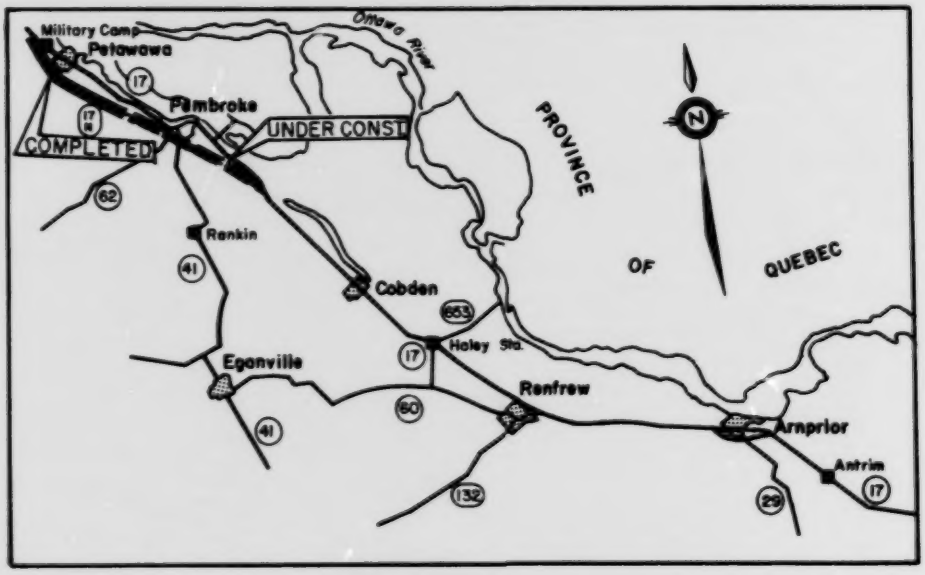
The first project will extend 6.5 km northerly from the junction with Regional Road 13 (Rideau River)including a structure at Stevens Creek, and is expected to be ready for contract award in the summer of 1982. The second project will extend further northerly to existing Highway 16 at Regional Road 8; it is planned to follow.

The connection into Ottawa is under study by a Task Force representing all concerned levels of government. A decision on the route selection is anticipated as a result of this study.

Highway 17 New - Pembroke Bypass

A contract for paving the two graded sections of the Pembroke Bypass will be awarded this spring. This work is expected to be completed by the fall of 1982.

When this section opens to traffic, it will provide two new lanes from Highway 417 near Ottawa to Petawawa including bypasses of the urban areas of Arnprior, Renfrew, Pembroke and Petawawa.



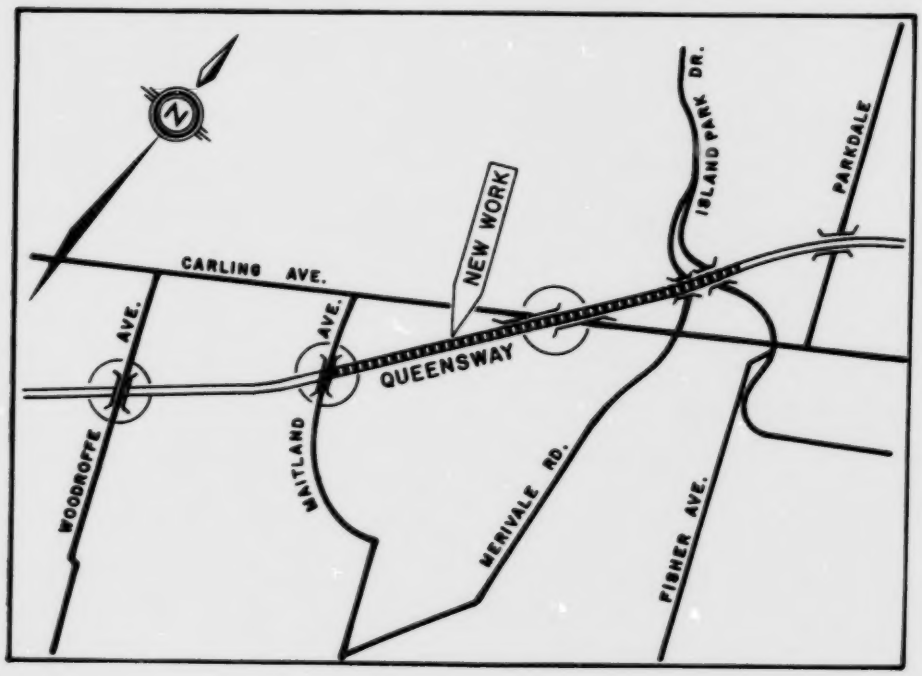
Highway 417 - Ottawa Queensway

It is expected to award the first major rehabilitation contract for the Queensway in 1982. The work will provide increased capacity, resurfacing of the existing lanes, median barrier protection and structure repairs.

Construction will begin on the first project this year from Maitland Road easterly to 0.5 km east of Island Park Drive, 3.2 km. Further projects will follow.

Work carried out in recent years included resurfacing from Maitland Avenue westerly to Richmond Road, 4.9 km, and from Montreal Road westerly to Blair Road, 3.0 km.

The total cost for the major rehabilitation work on the Ottawa Queensway is estimated at 20-30 million dollars.



Interchanges

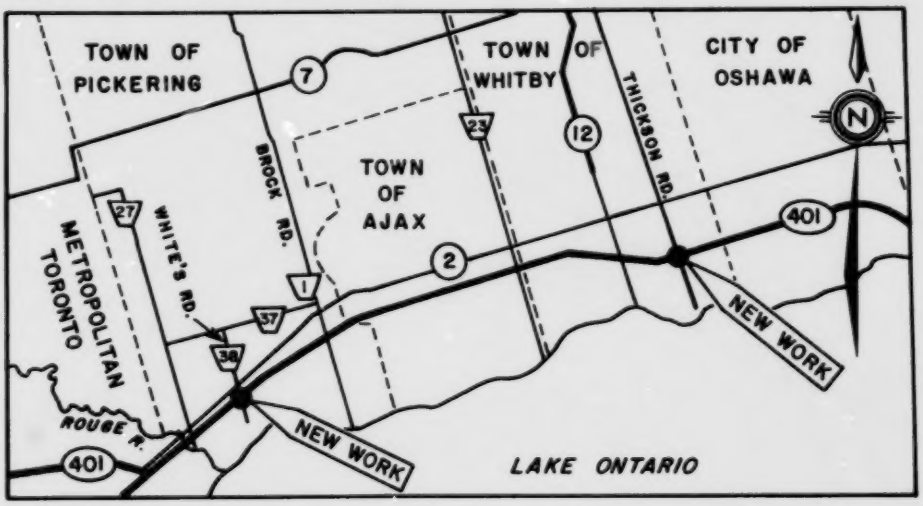
There are two major interchange projects scheduled this year on Highway 401 east of Toronto that are part of a continuing program to inter-connect the principal municipal arterials with the freeway system, thus providing better access and more even distribution of traffic to adjacent development north and south of Highway 401.

White's Road - Pickering

This new facility includes replacement of the existing structure and approaches over Highway 401 with a full interchange, as well as widening the adjacent section of Highway 2, to provide a continuous left turn lane throughout the interchange area.

Thickson Road - Whitby

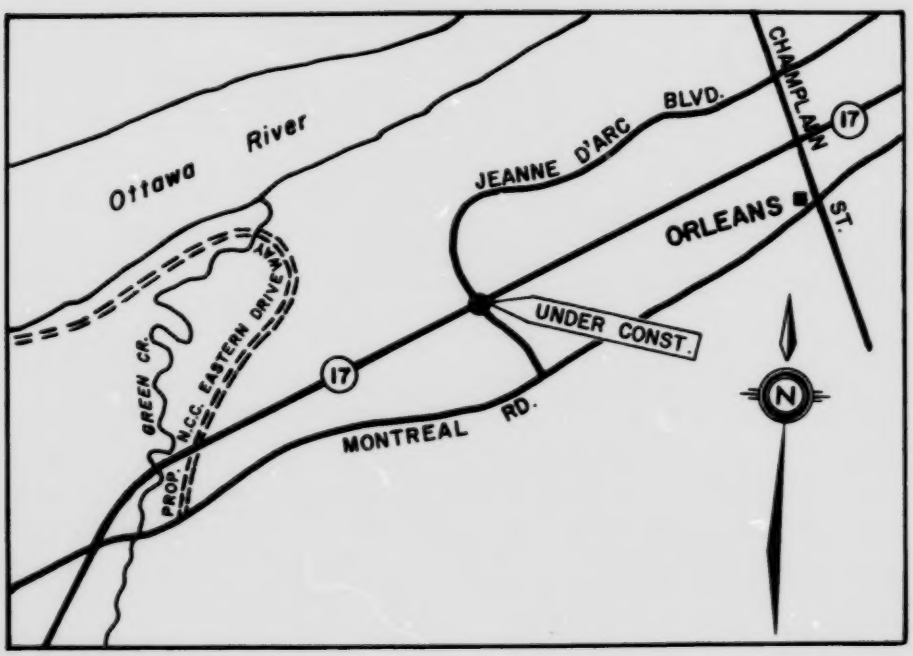
The existing partial interchange will be upgraded to a full interchange including replacement of the structure and approaches. The relocation of the North and South Service Roads to accommodate this work has been completed. Also, the Corbett Creek culvert has been extended and preloaded with staged earthwork on the ramps to and from Highway 401 at the west side of the interchange.



Highway 17 (Near Orleans) - Jeanne d'Arc Boulevard

A contract for placement of bridge structure approach fills at this location has been awarded and construction is expected to complete by the end of this year. Because of the unstable soil condition, a settlement period of approximately one year is required before construction of the interchange structure can proceed.

This new interchange will improve traffic flow for the area. It is estimated that the total cost for this work will be five million dollars.



SPECIFIC PROGRAMS

Passing Lanes

The passing lane and truck climbing lane programs have been developed as a cost effective means of providing safe opportunities to pass slower moving traffic and maintain a smoother flow during peak traffic periods.

A review of conditions where passing lanes have been constructed indicates that they function in a very satisfactory manner. Public reaction has also been favourable, especially on the Trans-Canada Highway in Northern Ontario.

It is intended to continue with the construction of passing lanes in areas where the present criteria and experience indicate they will be effective.

Twelve passing lanes have been proposed for award during 1982, of which five will be in Northern Ontario.

The following table indicates the number of passing lanes constructed in Northern and Southern Ontario over the past ten years on an annual basis.

Year	Northern Ontario	Southern Ontario
1981	3	5
1980	15	4
1979	11	3
1978	9	1
1977	28	17
1976	26	1
1975	36	--
1974	8	4
1973	7	--
1972	--	8
Total Number of Lanes since 1972.	143	43

Commuter Parking Lots

The Ministry will continue the development of commuter parking lots adjacent to freeway interchanges in 1982 to encourage greater use of van and/or car pooling and the conservation of energy.

Currently, there are twenty parking lots in operation providing approximately 1200 spaces. This year five new lots will be constructed and one existing lot will be expanded, increasing the total by 200 spaces.

Four of the new lots will be on Highway 401 east of Toronto at Highway 12 in Whitby, Northumberland Road 25 at Colborne, Highway 30 at Brighton and Northumberland Road 40 near Trenton. Another new lot will be located at Highway 6 and Plains Road near Highway 403 between Burlington and Hamilton. The existing lot at Highway 401 and 6 near Morriston will be expanded.

Noise Barriers

The Ministry's Noise Barrier Program continued in 1981 with the award of six contracts for construction of seven barriers in the Toronto area and the extension of another one in Ottawa. The following barriers were included in the 1981 program:

Highway 401

- From Keele Street easterly on the north side. Completed.
- From Dufferin Street westerly on the north side. Completed.
- From Avenue Road westerly on the north side. Completed.
- From Keele Street easterly on the south side. Completed.
- From Kipling Avenue easterly on the south side. Completed.
- From Bayview Avenue easterly on the south side. The estimated completion date is July 1982.

Highway 404

- From Fairview Mall Drive northerly on the west side. The estimated completion date is August, 1982.

Highway 417 - Ottawa

- From Maitland Avenue easterly on the north side. This is completed and is an extension of a previously constructed barrier.

The cost to construct these eight barriers is estimated at $2.87 million.

In 1982 it is proposed to construct seven more barriers and an experimental T-top is to be added to an existing barrier. The following barriers are included in the 1982 program:

Q.E.W.

- From Cawthra Road easterly on the north side.
- From Dixie Road easterly on the south side.

Highway 401

- From Avenue Road westerly on the south side.
- At Whitby west limits on the north side.
- From Don Valley Parkway easterly to Victoria Park Avenue on the south side. This is an experimental T-top on the existing barrier.

Highway 403

- East and west of Central Parkway on the south side.
- From Winston Churchill Boulevard easterly to Mississauga Road at select locations on the south side.

Highway 417 - Ottawa

- From Richmond Road easterly on the north side.

Noise Barrier from Keele Street easterly on the north side

Railway Grade Separations - Southern Ontario

Grade separations at railways proposed for the 1982 fiscal year are listed below:

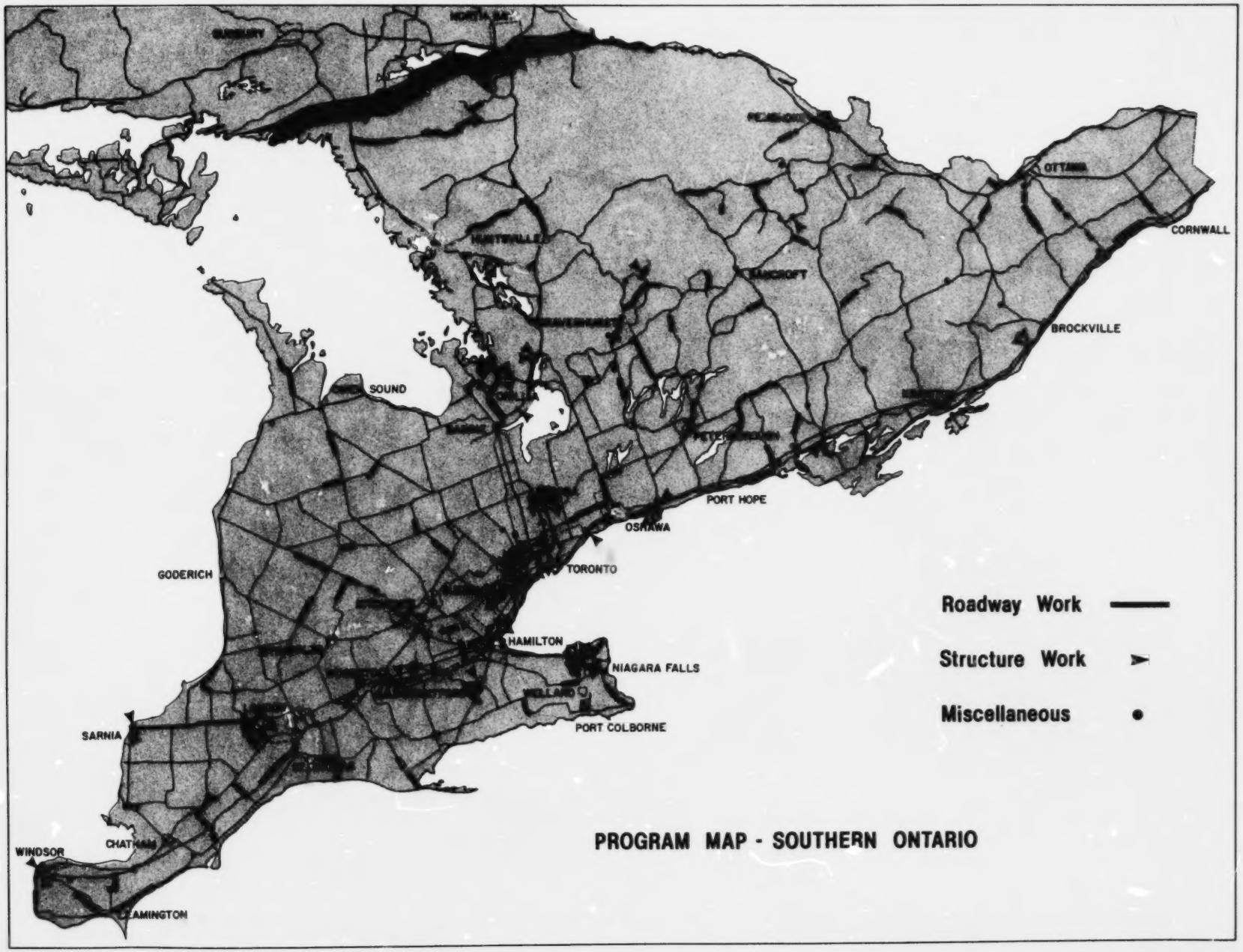
Highway	W.P. Number	Location
7169	151-73-05	Canadian National Railway Overhead, 1.0 km north of Oxford County Road 9.
Local	49-71-12	Canadian National Railway Subway, just west of Highway 427 on Eighth Line extension.
404	160-74-33	Canadian National Railway Overhead, 3.7 miles north of Regional Road 14.

SUMMARY OF NEW WORK - SOUTHERN ONTARIO - ROADS

Summary of the new work in the 1982-83 program is listed below:-

Two-Lane		
Paving	459 km	
Grading and Paving	286 km	
Grading	22 km	
		767 km
Multi-Lane Divided		
Paving	67 km	
Grading and Paving	19 km	
Grading	10 km	
		96 km
Multi-Lane Undivided		
Paving	1 km	
Grading and Paving	13 km	
Grading	0 km	
		14 km
TOTAL		877 km

Bridges	
Water Crossings	27
Overpasses and Underpasses	29
Overheads and Subways	3
TOTAL	59



PROGRAM MAP - SOUTHERN ONTARIO

CHATHAM DISTRICT

WORK IN PROGRESS DURING PAST CONSTRUCTION SEASON

E.C. Row — Road Construction West of Mark Avenue — Contract 80-04

E.C. Row — Concrete Paving West of Mark Avenue — Contract 80-04

CONSTRUCTION PROJECTS CHATHAM DISTRICT

Project Number	Highway Number	Location	Length
Grading, Drainage, Granular Base, Paving and Structures			
81-47	402	City of Sarnia - From the Bluewater Bridge Plaza easterly to Christina Street including the Front Street interchange structures, ramps and overhead sign structures and 1.6 miles of resurfacing from Christina Street easterly to Murphy Road.	0.7 mi.
Grading, Drainage, Granular Base and Paving			
81-26	2	Tilbury - Louise/Mill Streets, from the east to west limits of Tilbury.	2.6 km
196-79-1 196-79-2 196-79-3 196-79-4	3	From 0.3 km north of Blenheim Southwest Limits southerly 0.6 km including removal of the Chesapeake and Ohio Railway structure. A portion of the above work is funded by the Municipal Roads Program.	0.6 km
2505-79-1	401	Windsor South Truck Inspection Station, 2.0 km east of Interchange 3.	
130-78-4	Local	Service Road south of Highway 2 between Shawnee Road and Lesperance Road, Township of Sandwich South, including two cul-de-sacs on Shawnee Road. To be constructed by others.	

CONSTRUCTION PROJECTS CHATHAM DISTRICT

Project Number	Highway Number	Location	Length
Grading, Drainage, Granular Base and Paving (Recycled)			
2-60-1	18	From 1.4 km north of Amherstburg North Limits northerly.	4.7 km
Granular Base and Paving			
67-67-2	3N	From the Essex Diversion easterly to the intersection with existing Highway 3, 1.0 miles north of Ruthven.	9.6 mi.
Grading and Drainage			
80-74	3N	From the Essex Diversion easterly to the intersection with existing Highway 3, 1.0 miles north of Ruthven.	9.6 mi.
Resurfacing			
81-77	77	From the west junction with Essex County Road 8, Staples, northerly to Highway 401.	10.9 km
Resurfacing (Recycled)			
227-77-1	2	From the Middlesex/ Kent County Boundary westerly to Thamesville East Limits.	13.6 km
808-75-1	3	From the junction with Kent County Road 5 westerly to Wheatley East Limits.	15.9 km

CONSTRUCTION PROJECTS CHATHAM DISTRICT

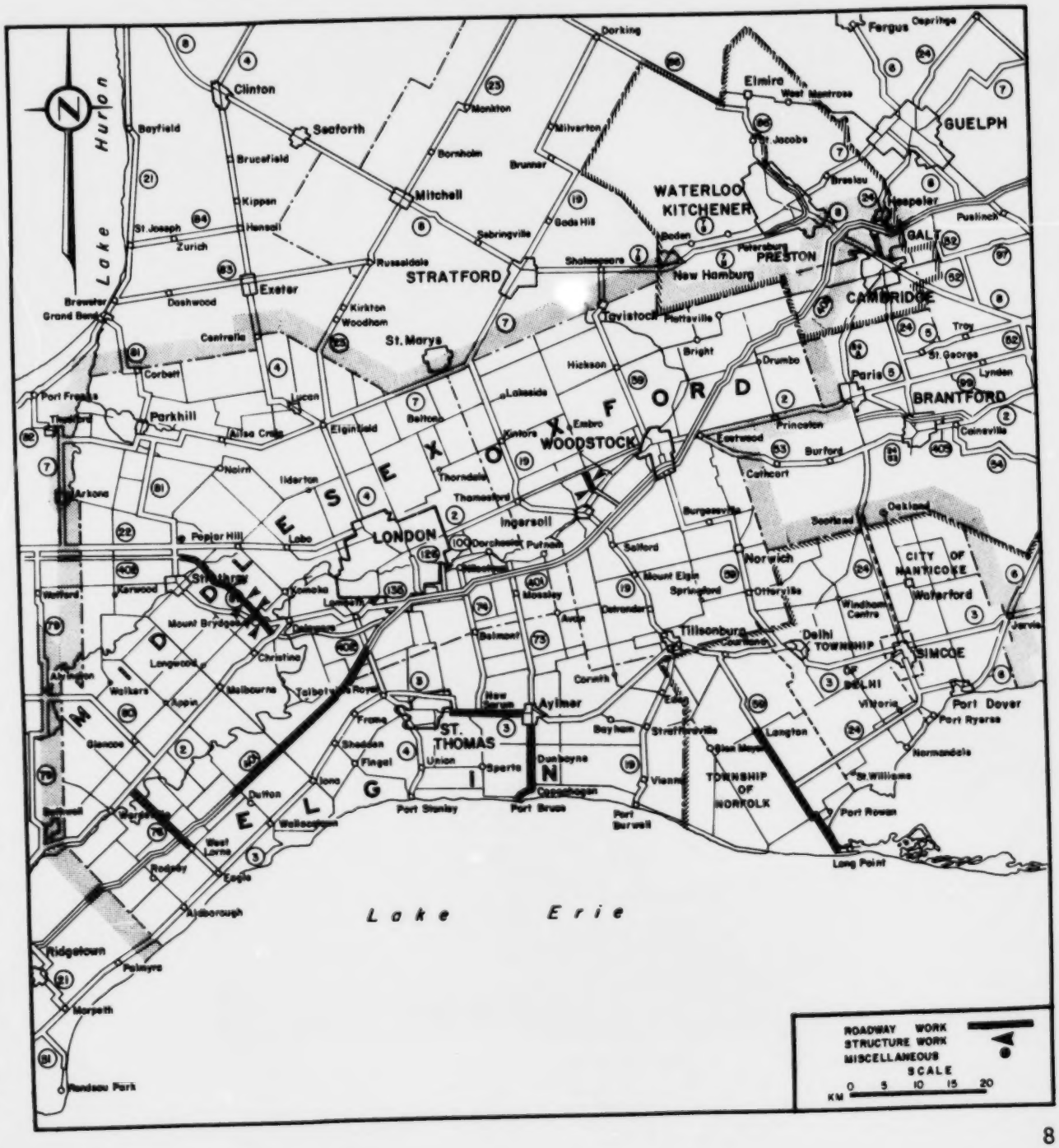
Project Number	Highway Number	Location	Length
Resurfacing (Recycled) (Cont'd.)			
190-77-1	3	From Wheatley West Limits westerly to Leamington East Limits.	10.9 km
78-80-1	21	From Highway 79 northerly to Grand Bend South Limits.	14.2 km
83-78-1	79	From Highway 2 northerly to Bothwell North Limits.	3.5 km
Resurfacing and Grading			
81-34	40	From Wallaceburg West Limits westerly to Kent County Road 32.	2.9 mi.
Resurfacing (Recycled) and Grading			
831-77-1	21	From Highway 401 northerly to Thamesville South Limits.	8.7 km
831-71-3	21	From Thamesville South Limits northerly. The above project is funded by the Municipal Roads Connecting Link Program.	0.8 km
806-74-1	21	From Highway 3,Morpeth, northerly to Highway 401 excluding 2.4 km in the Village of Ridgetown.	11.1 km
225-77-1	79	From Highway 7 northerly to Highway 21 excluding the 1.8 connecting link portion in the Village of Thedford.	9.0 km

CONSTRUCTION PROJECTS — CHATHAM DISTRICT

Project Number	Highway Number	Location	Length
Miscellaneous			
81-320	40	Landscaping - vicinity of the Highway 401 and 7 interchange.	
2505-79-2	401	Building, scales and services -Windsor South Truck Inspection Station, 2.0 km east of interchange 3.	
190-81-1	401	Installation of perforated subdrains - From west junction Highway 2 Tilbury, westerly to Highway 3, Windsor.	28.5 mi.
URBAN EXPRESSWAYS			
Grading, Drainage, Granular Base, Paving and Structures			
81-05	E.C.Row	Windsor - From Highway 18 easterly to 0.3 miles west of Highway 3 including overpasses at Matchette Road and Malden Road.	1.7 mi.
Grading, Drainage, Granular Base and Paving			
260-66-10	Local	Windsor - Linsell Avenue, from the Ojibway Parkway southerly to Broadway Avenue including cul-de-sac on Broadway Avenue. To be constructed by others.	0.6 mi.

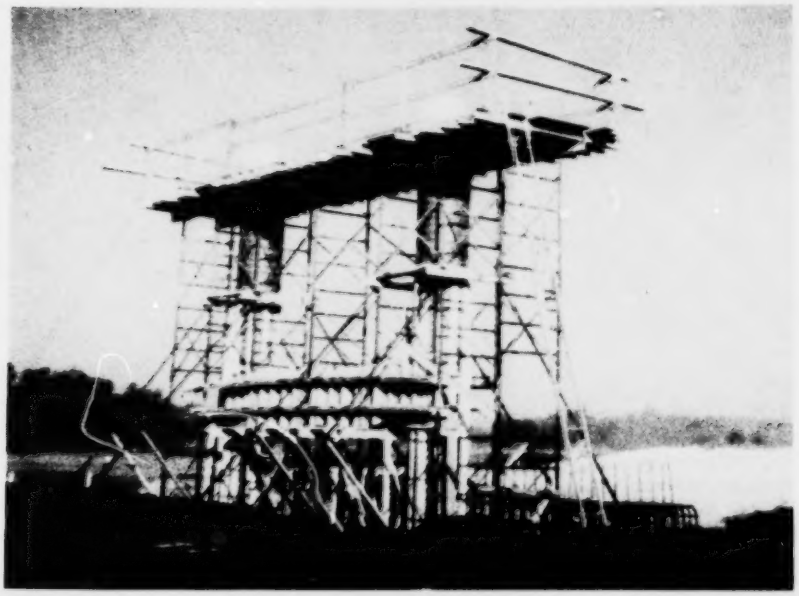
Project Number	Highway Number	Location	Length
Grading, Drainage, Granular Base and Paving (Cont'd.)			
260-66-11	Local	Windsor - Beech Street, from Chappus Street southerly to Broadway Street including Broadway Street extension. To be constructed by others.	0.6 mi.
Miscellaneous			
81-318	E.C. Row	Landscaping - Windsor, from 0.2 miles east of Walker Road easterly to 0.7 miles east of Windsor East Limits.	4.9 mi.
81-319	E.C. Row	Landscaping - Windsor, from Highway 3 easterly to 0.4 miles west of Dougall Avenue.	1.3 mi.

LONDON DISTRICT



WORK IN PROGRESS DURING PAST CONSTRUCTION SEASON

Highway 402 — Concrete Paving, East of Highway 2 — Contract 81-54



Highway 402 — Canadian Pacific Railway Overhead, West of Highway 2 — Contract 80-77

CONSTRUCTION PROJECTS LONDON DISTRICT

Project Number	Highway Number	Location	Length
Grading, Drainage, Granular Base, Paving and Structures			
151-73-4 151-73-5 151-73-6 151-73-7		Woodstock Truck Bypass-From Oxford County Road 9 (old Highway 2) northerly to Highway 2 (Governors Road) including a truck climbing lane, a Canadian National Railway overhead and the Thames River Bridge.	3.9 km
Grading, Drainage, Granular Base and Paving			
15-82-1 15-82-2	2	Intersection improvements, from 0.3 km east of junction with Wonderland Road, London westerly 0.6 km including traffic signal revisions.	0.6 km
Grading, Drainage and Structures			
80-77	402	From 0.5 miles west of Highway 2 westerly to Concession 6, Caradoc Township, including six associated structures.	5.7 mi.
Granular Base and Paving			
81-102	402	From Caradoc Concession 6 Road westerly to east of Highway 81 north of Strathroy.	6.6 mi.
40-66-2	402	From 0.1 miles west of Highway 2 westerly Caradoc Concession 6 Road.	5.1 mi.

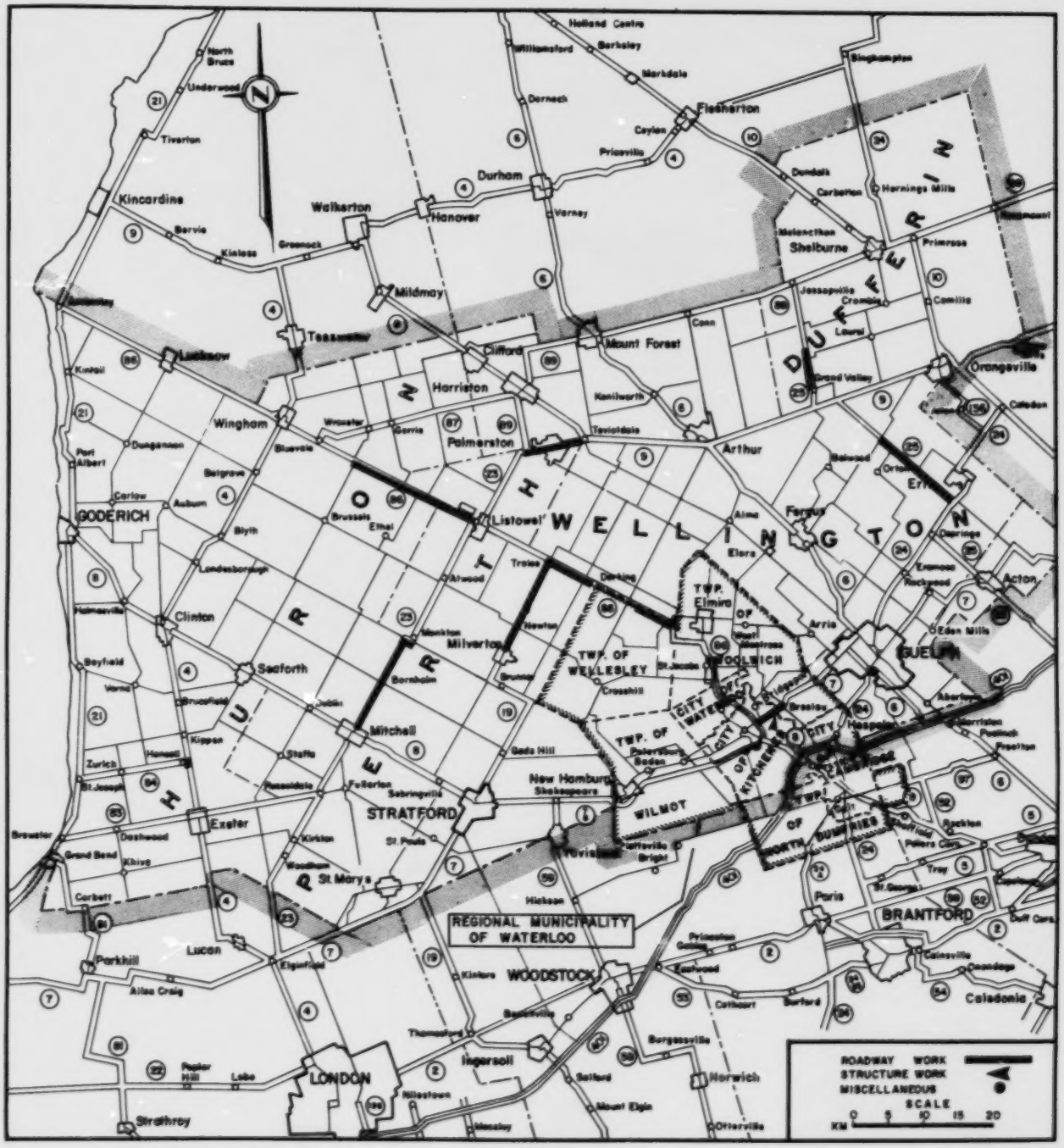
CONSTRUCTION PROJECTS — LONDON DISTRICT

Project Number	Highway Number	Location	Length
Resurfacing			
185-77-1 185-77-2	76	From West Lorne North Limits northerly to Highway 2 including bridge deck replacement and associated work at the Crinan Creek Bridge.	12.1 km
27-80-1	401	From 0.7 km west of Elgin County Road 8, interchange 17, easterly to 0.8 km west of Elgin County Road 20, interchange 18A.	15.5 km
28-80-1	401	From 0.8 km west of Elgin County Road 20, interchange 18A, easterly to 0.8 km west of Highway 4, interchange 19.	12.7 km
Resurfacing (Recycled)			
162-77-1	3	From 0.3 km west of Aylmer West Limits westerly to Centennial Avenue, St. Thomas.	11.6 km
80-80-1	59	From 4.3 km south of Haldimand/Norfolk County Road 42, Port Rowan, northerly to Langton North Limits.	22.8 km
Resurfacing and Grading			
163-77-1 163-77-2	73	From Aylmer South Limits southerly to Port Bruce East Limits.	13.9 km

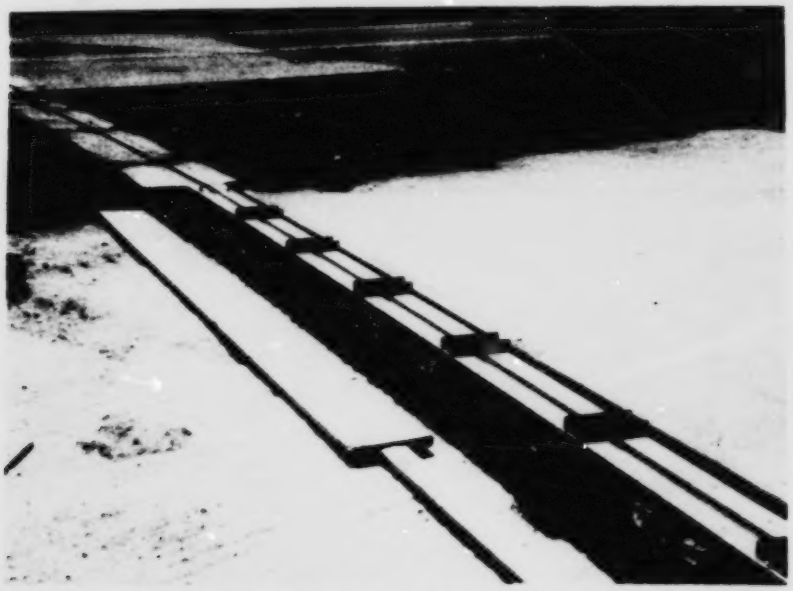
CONSTRUCTION PROJECTS — LONDON DISTRICT

Project Number	Highway Number	Location	Length
Miscellaneous			
88-69-16	3N	Landscaping -St. Thomas Expressway - From St. Thomas East Limits westerly to Wellington Road.	3.7 mi.
2712-81-2	81	Building - Three Bay Garage addition at the Strathroy Patrol Yard located 3.0 miles north of Strathroy.	
2712-81-4	81	Dome construction at the Strathroy Patrol Yard located 3.0 miles north of Strathroy.	
41-66-31	402	Landscaping - From Highway 401 westerly to 0.1 miles west of Highway 2.	11.7 mi.

STRATFORD DISTRICT



WORK IN PROGRESS DURING PAST CONSTRUCTION SEASON



Conestoga Expressway — Bridge Rehabilitation — Contract 81-25
Weber Street Structure, Kitchener

Highway 7 — Reconstruction — Contract 81-53
Vicinity of Canadian National Railway, Subway

CONSTRUCTION PROJECTS STRATFORD DISTRICT

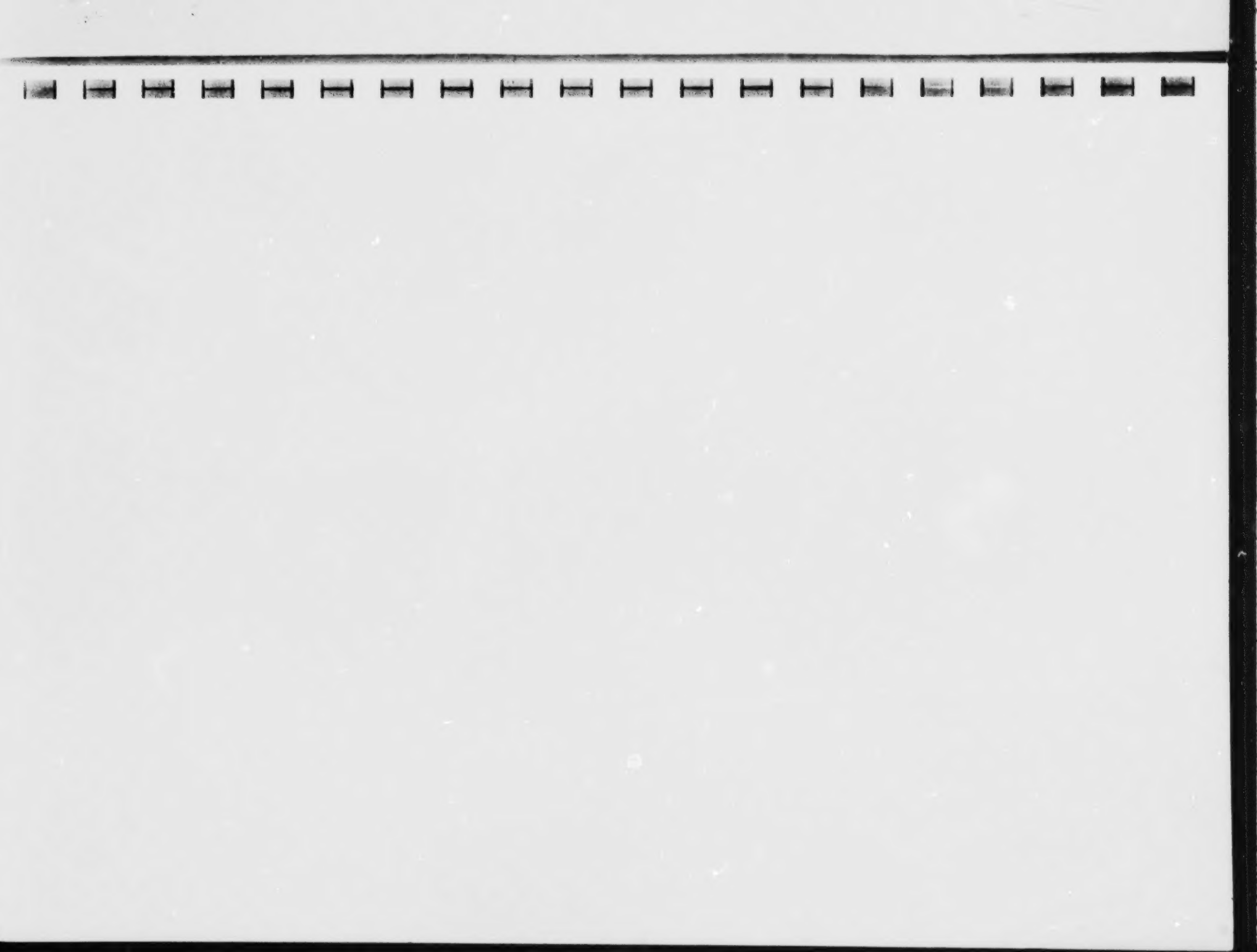
Project Number	Highway Number	Location	Length
Grading, Drainage, Granular Base, Paving and Structures			
81-53	7	From 2.3 km east of Frederick Street, Kitchener, easterly including widening of the Grand River Bridge.	1.8 km
Grading, Drainage, Granular Base and Paving			
213-77-1	7	From Frederick Street, Kitchener, easterly.	2.3 km
121-80-1	84	Village of Hensall - From Nelson Street westerly to Hensall West Limits.	0.7 km
Structure Rehabilitation			
103-81-2	6	Guelph - Speed River Bridge, southbound lanes.	
103-73-12	7	Kitchener - Ottawa Street south overpass, eastbound lanes.	
103-81-1	7	Kitchener - Homer Watson Boulevard overpass, eastbound lanes.	
103-73-17	85	Kitchener - University Avenue underpass.	
Resurfacing			
121-80-3	4	Village of Hensall - From 0.3 km south of Highway 84 northerly to Hensall North Limits.	0.8 km

CONSTRUCTION PROJECTS — STRATFORD DISTRICT

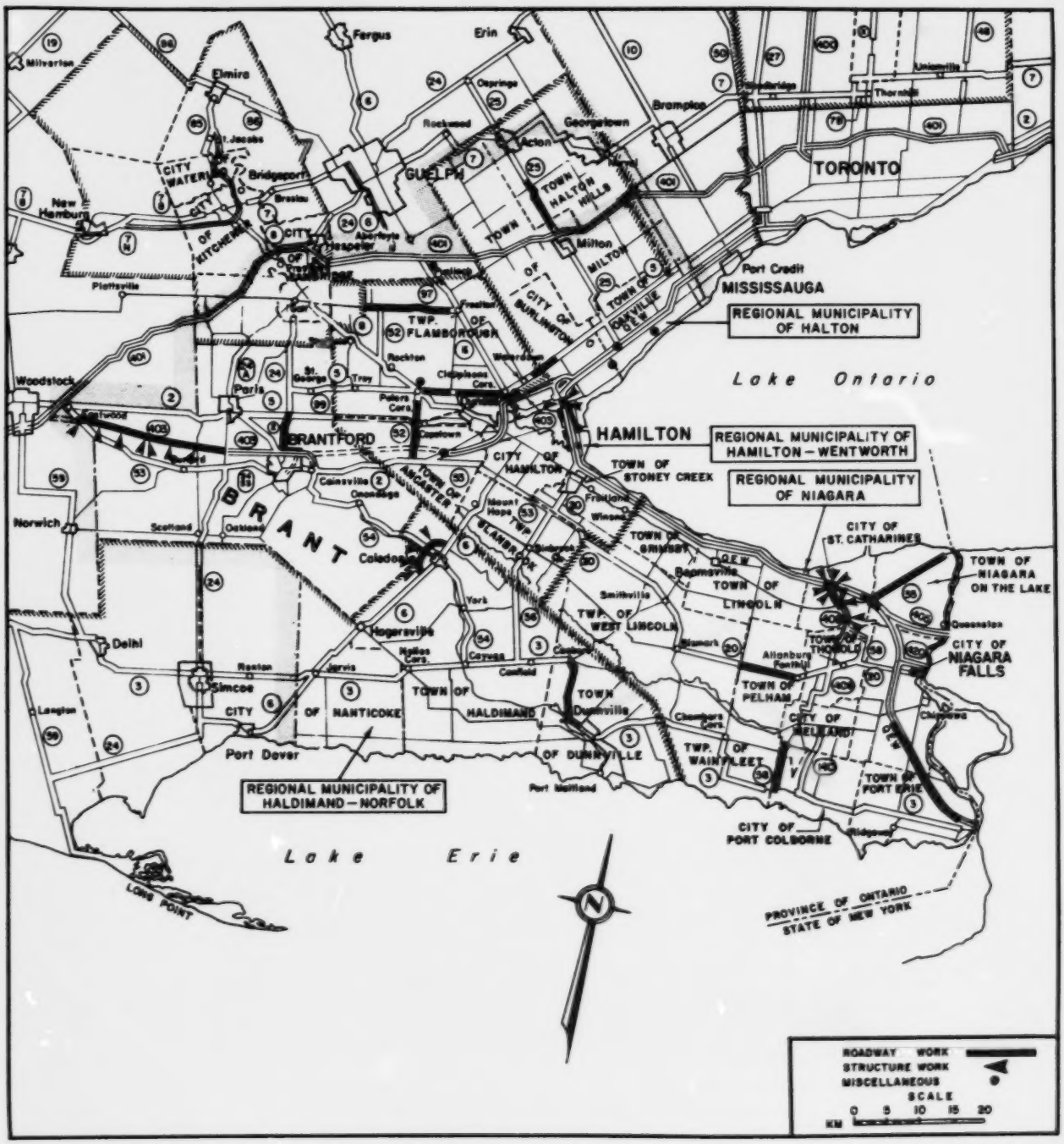
Project Number	Highway Number	Location	Length
Resurfacing (Cont'd.)			
81-9	25	From Grand Valley North Limits northerly 6.4 km and from Highway 24, Brisbane northerly to the Dufferin/Wellington County boundary including 2.9 km of reconstruction from the Dufferin / Wellington County boundary northerly to Dufferin County Road 3.	18.6 km
121-80-2	84	Village of Hensall - From Highway 4 westerly to Nelson Street.	0.4 km
Resurfacing (Recycled)			
85-80-1	19	From Milverton North Limits northerly to Highway 86, Tralee.	14.1 km
68-79-1	23	From Highway 9, Teviotdale, westerly to Highway 89, excluding the connecting link in Palmerston.	7.0 km
Resurfacing and Grading			
334-64	23	From Mitchell North Limits northerly to Monkton North Limits.	16.7 km
Resurfacing (Recycled) and Grading			
68-79-2	23	Palmerston-Main Street, from Toronto Street westerly to Palmerston West Limits. The above project is funded by the Municipal Roads Connecting Link Program.	1.9 km

CONSTRUCTION PROJECTS STRATFORD DISTRICT

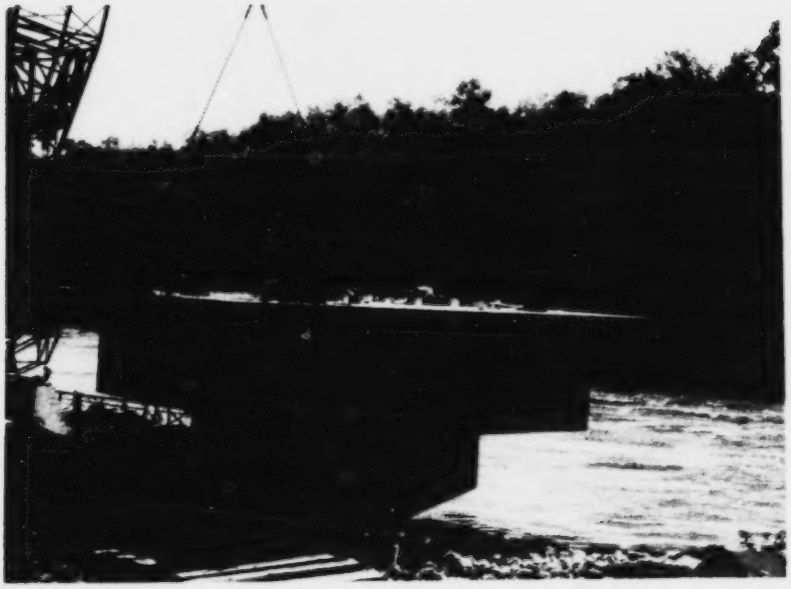
Project Number	Highway Number	Location	Length
Resurfacing (Recycled) and Grading (Cont'd.)			
81-10	86	From Waterloo Regional Road 20 westerly to 2.9 km east of Waterloo Regional Road 5, Macton and from Dorking westerly to Highway 19, Tralee.	11.8 km
157-77-1	86	From the west junction with Highway 23, Listowel, westerly to Huron County Road 12.	20.3 km



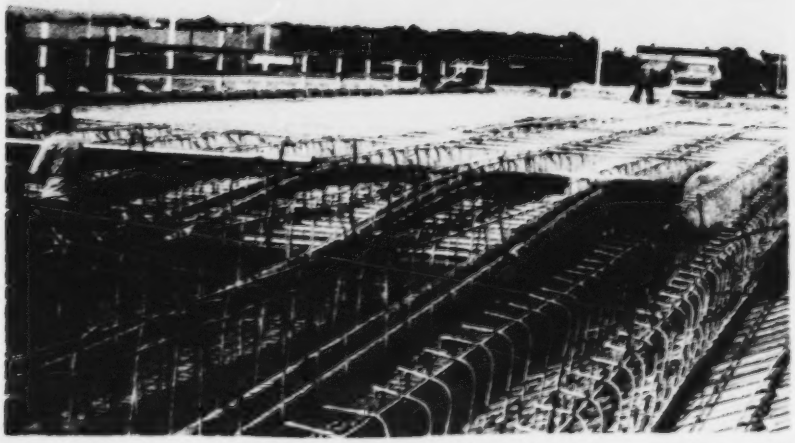
HAMILTON DISTRICT



WORK IN PROGRESS DURING PAST CONSTRUCTION SEASON



Highway 406 — Placing Segments for Segmental Bridge, Twelve Mile Creek, St. Catharines — Contract 80-44



Highway 406 — Placing Reinforcing Steel and Post Tension Cables, Appleby Line, Burlington — Contract 80-09

Project Number	Highway Number	Location	Length
Grading, Drainage, Granular Base, Paving and Structures			
81-48	406	Preliminary grading, west of Twelve Mile Creek, including two structures, one retaining wall, and full work on Martindale Road and Welland Vale Road in St. Catharines.	1.0 mi.
81-72	406	Queen Elizabeth Way, South and North Service Road, including resurfacing of Queen Elizabeth Way from Fifth Street easterly to Richardson Creek and Third Street approaches to the Queen Elizabeth Way, including three structures.	1.1 mi.
90-74-1 90-74-2 90-74-3 90-74-5	406	St. Catharines, Glendale Avenue interchange operational improvements, including two structures and retaining wall.	
152-75-5 83-74-21 83-74-22 83-74-23	QEW	Burlington, Capacity improvements including three structures at Highway 2 interchange and ramp connections to the Arterial Road.	2.1 mi.
Grading, Drainage, Granular Base and Paving			
81-44	3	From Dunnville West Limits westerly to Canboro. Dunnville Connecting Link. The above project is funded by the Municipal Roads Connecting Link Program.	6.6 mi. 0.1 mi.

CONSTRUCTION PROJECTS HAMILTON DISTRICT

Project Number	Highway Number	Location	Length
Grading, Drainage, Granular Base and Paving (Cont'd.)			
81-20	5	From 0.4 miles west of Guelph Line westerly to Evans Road.	2.5 mi.
55-75-1 55-75-2	6N	Caledonia Bypass - from Seneca Greens Road southerly.	4.0 mi.
81-71	97	From 0.5 miles west of Highway 6 westerly to Waterloo and Hamilton/ Wentworth Regional Boundary.	8.1 mi.
81-69	QEW	Relocation of South Service Road to accommodate advance fill at future Burloak interchange.	
152-75-8	QEW	Hamilton - Burlington Street/Woodward Avenue and Queen Elizabeth Way interchange - operational improvements.	
152-75-10	Local	Arterial Road from Canal southerly to south end of Burlington Skyway.	1.5 km
Grading, Drainage, Granular Base and Paving (Recycled)			
64-76-1 64-76-4	20	Fonthill - from Niagara Regional Road 36 westerly to Niagara Regional Road 24, including one truck climbing lane.	5.2 mi.
74-71-1	24	From Brantford North Limits northerly to junction Highway 5.	2.2 mi.
74-71-2	24	Brantford Connecting Link.	0.2 mi.

Project Number	Highway Number	Location	Length
Grading, Drainage, Granular Base and Paving (Recycled) (Cont'd)			
		The above project is funded by the Municipal Roads Connecting Link Program.	
99-77-1	55	St. Catharines - From Niagara Road 81 to Niagara-on-the-Lake, excluding 0.5 km in Virgil.	12.9 km
Grading, Drainage and Structures			
81-43	403	From 0.5 km west of Highway 24A westerly to 0.5 km west of Brant County Road 25, including three structures and site development of the Rest Acres Road Patrol Yard.	11.9 km
155-60-3 163-60-1 164-60-1 73-62-1 74-62-1	403	From 0.5 km west of Brant County Road 25, westerly to 1.0 km west of Highway 53 including four structures.	10.3 km
46-74-45 46-74-48 46-74-15 46-74-16 46-74-35 46-74-38	406	St. Catharines - from Westchester Crescent to First Street, including work on local roads, two structures and retaining walls.	1.6 mi.
46-74-49 46-74-21 46-74-22 46-74-23 46-74-24 46-74-25 46-74-26	406	Queen Elizabeth Way southerly to First Street, including six structures.	1.5 mi.

CONSTRUCTION PROJECTS HAMILTON DISTRICT

Project Number	Highway Number	Location	Length
Structure and Approaches			
81-64	6N	Caledonia Bypass - four structures and approaches, Grand River Bridge, Sixth Line underpass, Sterling Street underpass and Domtar Access Road overpass.	0.7 mi.
81-49	406	St. Catharines - First Street and Third Avenue underpasses and approaches.	
80-44	406	St. Catharines - Twelve Mile Creek Bridges including four retaining walls and preliminary grading from Welland Vale Road to St. Paul Street.	0.7 mi.
Structure Rehabilitation			
104-79-1 104-79-2	403	Ancaster - Highway 2 over Highway 403 core, Highway 2 over Ramp A, eastbound and westbound.	
90-74-4	406	St. Catharines - Glendale Avenue overpass - Deck rehabilitation.	
81-56	QEW	Garden City Skyway - Deck rehabilitation.	
152-75-2	QEW	Burlington - Canal Lift Bridge - Deck modification, two to four lanes.	
81-105	QEW	Bronte Creek Bridge - Deck rehabilitation.	
257-77-2	QEW	Bronte Creek Bridge - Structural repairs.	

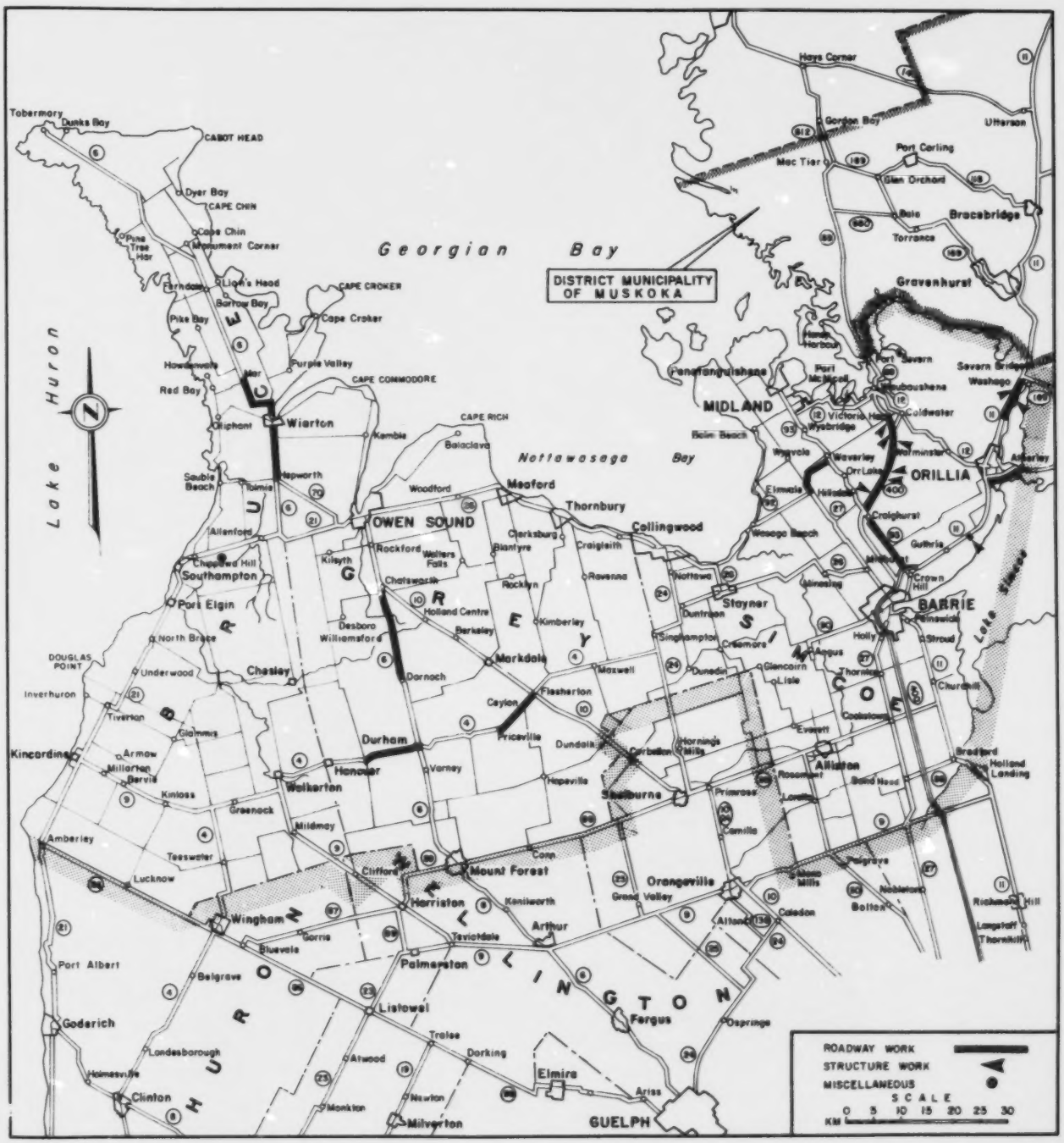
CONSTRUCTION PROJECTS HAMILTON DISTRICT

Project Number	Highway Number	Location	Length
Resurfacing			
81-88	5	From Highway 6 - Clappison's Corners westerly to Highway 8, Peter's Corners, including resurfacing of the Peter's Corners Patrol Yard.	7.7 mi.
655-64-2	52	From Highway 2 northerly to 1.5 km south of Highway 5.	9.0 km
81-86	QEW	From Gilmore Road, Fort Erie northerly to Tee Creek, Niagara Falls.	10.3 mi.
15-80-1	QEW	Garden City Skyway easterly, St. Catharines.	1.2 km
Resurfacing (Recycled)			
96-77-1	58	From Highway 3 northerly to Town Line Road.	7.4 km
Resurfacing (Recycled) and Grading			
97-77-1 97-77-4	25	From Halton Road 9, Milton northerly to Speyside including one truck climbing lane.	8.0 km
Miscellaneous			
91-81-1	6	Commuter Parking Lot at Plains Road.	
23-80-1	401	Commuter Parking Lot at Highway 6.	
158-75-7	403	Landscaping - From Highway 5 to Winston Churchill Boulevard.	

CONSTRUCTION PROJECTS HAMILTON DISTRICT

Project Number	Highway Number	Location	Length
Miscellaneous (Cont'd.)			
159-75-11	403	Lanscaping - From Queen Elizabeth Way to Highway 5.	
46-74-53	406	Landscaping - St. Catharines, from Westchester Crescent to Geneva Street.	
24-81-2 24-81-3	420	Retaining wall restoration - Niagara Falls, Victoria Avenue.	
125-66-26	QEW	Landscaping - Appleby Line interchange, Burlington.	
81-401	QEW	Truck Inspection Station Site Development, Oakville.	
2509-75-2	QEW	Truck Inspection Station, Building and Scales, Oakville.	
145-81-1	Local	Storm sewer - Bender Street, Niagara Falls. To be constructed by others.	

OWEN SOUND DISTRICT



WORK IN PROGRESS DURING PAST CONSTRUCTION SEASON

Highway 400 — Widening of Bayfield Street Underpass Barrie — Contract 80-72

Highway 11 — Structure Widening Canadian Pacific Railway Overhead Just North of Orillia — Contract 79-92

CONSTRUCTION PROJECTS — OWEN SOUND DISTRICT

Project Number	Highway Number	Location	Length
Grading, Drainage, Granular Base, Paving and Structures			
81-21	11	From Cumberland Beach northerly to 0.7 km south of south junction with Highway 169, Washago including two associated structures.	6.4 km
26-81-1 26-81-2	11	Oro Township Concession Road 9 interchange, 8.0 miles northeast of Highway 93.	0.7 mi.
80-23	400	From Highway 93 northerly 10.1 miles including 2.3 miles of service road construction and four associated structures.	10.1 mi.
906-66-11 906-66-14 906-66-24 906-66-25	400N	From old Highway 400, 2.2 miles south of Coldwater, northerly to 1.1 miles north of Simcoe County Road 23, including 1.0 miles of service road construction and two associated structures. Southbound lanes.	4.8 mi.
Grading, Drainage, Granular Base and Paving			
81-12	27	From Elmvale North Limits to Waverley South Limits including two truck climbing lanes.	8.8 km
Resurfacing			
89-80-1	6	From Grey County Road 25, Dornoch, northerly to Chatsworth South Limits.	15.8 km

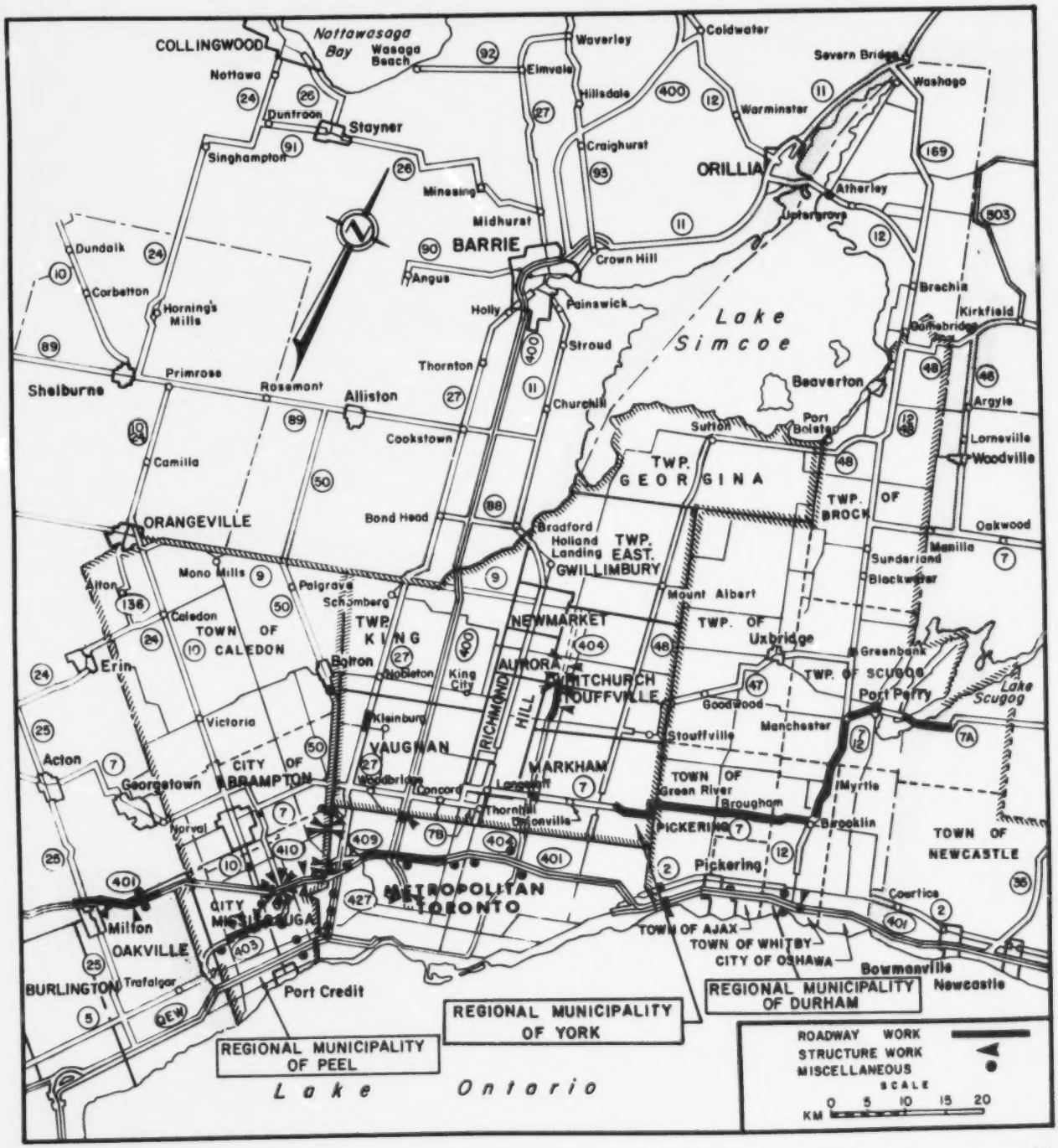
CONSTRUCTION PROJECTS — OWEN SOUND DISTRICT

Project Number	Highway Number	Location	Length
Resurfacing (Recycled)			
60-77-1	12	From the west limits of Atherley Narrows Bridge westerly to Highway 11.	7.2 km
267-77-1 267-77-2	93	From Highway 11, Crown Hill, northerly to Craighurst including miscellaneous improvements at the Highway 400/93 interchange.	11.3 km
Resurfacing and Grading			
81-15	4	From Durham West Limits westerly 7.9 km including 8.4 km of resurfacing from Flesherton West Limits westerly to Priceville West Limits.	7.9 km
230-62-2	6	From 0.9 km north of Division Street, Wiarton northerly.	9.7 km
146-77-2	6	From 0.4 km north of Highway 70, Hepworth, northerly to Wiarton South Limits.	10.3 km
Miscellaneous			
2715-78-1	21	Building - Four Bay Garage at the Elsinore Patrol Yard located 11.7 km west of Highway 6.	
81-322	400, 11 & 27	Landscaping - various locations. Highway 400 - From 1.0 miles north of Simcoe County Road 11 northerly.	

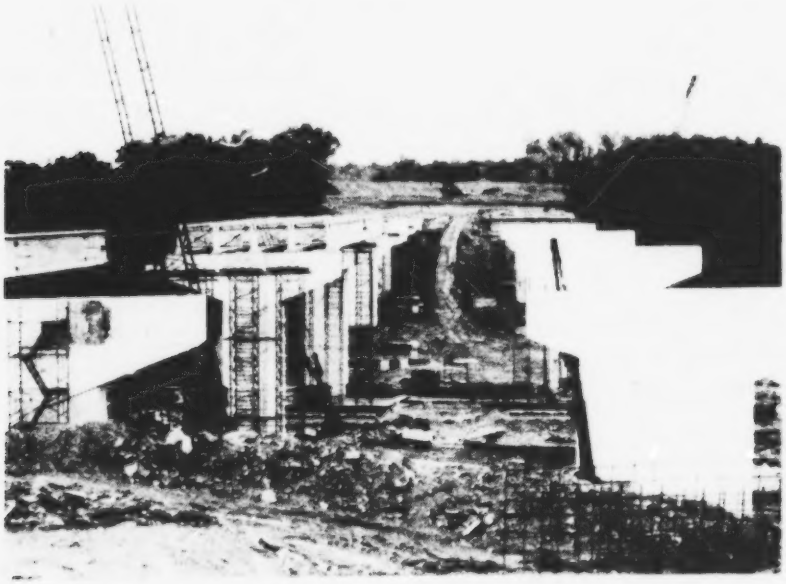
CONSTRUCTION PROJECTS OWEN SOUND DISTRICT

Project Number	Highway Number	Location	Length
Miscellaneous (Cont'd.)			
		Highway 11 - From Sundial Road, Orillia, northerly to Cumberland Beach.	
		Highway 27 - From Waverley North Limits northerly to the Midland Diversion (Evergreen Road)	
		Highway 400 - in the Highway 400/Bayfield Street interchange area, Barrie.	
99-75-22	400	Landscaping - From 0.1 miles south of Highway 93 northerly.	9.6 mi.

TORONTO DISTRICT



WORK IN PROGRESS DURING PAST CONSTRUCTION SEASON



Highway 403 — Placing Segment of Segmental Beam Credit River Bridge — Contract 81-39

Highway 401 — Preloading Corbett Creek Culvert — Contract 81-55

CONSTRUCTION PROJECTS — TORONTO DISTRICT

Project Number	Highway Number	Location	Length
Grading, Drainage, Granular Base, Paving and Structures			
164-79-1 164-79-2	400	From Finch Avenue northerly to Steeles Avenue, eight-laning, including widening the Steeles Avenue overpass.	2.4 mi.
137-78-1 137-78-2 137-78-3	401	Pickering -White's Road interchange, including the White's Road underpass and operational improvements on adjacent section of Highway 2.	
38-77-1 38-77-2	401	Whitby - Thickson Road interchange, including the Thickson Road underpass.	
81-67	401	From 0.6 miles west of Trafalgar Road westerly including James Snow Parkway interchange and two structures - six-laning. Also James Snow Parkway, from Steeles Avenue southerly 0.7 miles, including intersections at Steeles Avenue and Main Street.	5.3 mi.
81-50	403	From 0.7 miles west of Highway 10 to the Credit River, including two structures.	3.0 mi.
80-71	403	From Winston Churchill Boulevard to east of Mississauga Road, including three structures.	1.5 mi.

Project Number	Highway Number	Location	Length
Grading, Drainage, Granular Base, Paving and Structures (Cont'd.)			
81-65	404	From York Regional Road 14 (Gormley Sideroad) northerly to York Regional Road 40 (Bloomington Sideroad) including; advance fill northerly to the Holland River, the York Regional Road 40 extension from the Canadian National Railway at the west limits of Highway 404 interchange westerly to Leslie Street, 0.7 miles, and two associated structures. The York Regional Road 40 extension is fully recoverable.	2.7 mi.
81-46	427	From Highway 401 northerly to Fasken Drive, including three structures.	1.5 mi.
49-71-9 49-71-4 49-71-5 49-71-6 49-71-7	427	Staged detour for Indian Line at Humber River, including four structures.	
81-96	BCD	From 0.3 miles south of Eglinton Avenue southerly to Weston Road, including widening of Weston Road, from Humber Boulevard to Maybank Avenue extension and one structure.	0.2 mi.

CONSTRUCTION PROJECTS TORONTO DISTRICT

Project Number	Highway Number	Location	Length
Grading, Drainage, Granular Base and Paving			
81-45	7	From 0.5 km east of 9th Line, Markham, easterly to Durham Regional Road 1, Brougham.	11.4 km
71-65-1	7	From Brougham to Brooklin.	12.1 km
73-75-3	7	Greenbank-Urban section.	0.8 km
5-81-1	7	From Highway 404 easterly to Woodbine Avenue six-laning. The above project is partially recoverable.	1.0 mi.
260-77-1	10	Intersection improvement at Peel Regional Road 5, 2.4 km north of Highway 401. To be constructed by others.	
81-90	10	Matheson Boulevard northerly to Traders Boulevard, including three intersections. The above project is fully recoverable.	1.0 km
96-80-1 96-80-2	27	From south of Humber River to North of York Road 7, Kleinberg, including a truck climbing lane.	2.4 km
81-106	50	Intersection improvements at Huskey entrance and Healy Road, just south of Bolton. The above project is partially recoverable.	

CONSTRUCTION PROJECTS TORONTO DISTRICT

Project Number	Highway Number	Location	Length
Grading, Drainage, Granular Base and Paving (Cont'd.)			
49-71-13	Local	Intersection improvement at Finch Avenue extension and Steeles Avenue. To be constructed by others.	
Grading, Drainage, Granular Base and Paving (Recycled)			
81-100	7	From Brooklin North Limits northerly to Manchester.	7.9 mi.
138-75-3 82-79-1	7A	From Manchester easterly to Port Perry Causeway and from 5.6 km east of Port Perry easterly.	9.6 km
Grading and Drainage			
21-79-3	410	Brampton Bypass - advance culvert and storm sewer just south of Clark Boulevard.	
Structures			
127-66-26 127-66-27 127-66-80	401	Etobicoke Creek east of Dixie Road, three structures.	
81-39	403	Credit River Bridge, 3.3 miles west of Highway 10.	
127-66-67 127-66-68	403	Matheson Boulevard, two overpasses.	
127-66-69 127-66-70 127-66-71 127-66-72 127-66-74	403	At Highway 401, five overpasses.	

CONSTRUCTION PROJECTS TORONTO DISTRICT

Project Number	Highway Number	Location	Length
Structures (Cont'd.)			
106-74-46	404	Canadian National Railway subway on York Regional Road 40 at west limit of Highway 404 interchange. To be constructed by others.	
160-74-33 160-74-34 160-74-35 160-74-36	404	Canadian National Railway overhead at Vandorf, Vandorf Sideroad underpass, Holland River Bridge, Regional Road 15 underpass.	
80-70	BCD	Temporary rail diversion, including the Canadian National and the Canadian Pacific Railway subways just north of Weston Road.	
49-71-12	Local	Canadian National Railway subway just west of Highway 427 on Finch Avenue extension. To be constructed by others.	
Structure Rehabilitation			
14-80-1	12	Atherly Narrows Bridge, Cathodic protection.	
81-93	401	Highway 27 Overpass and Kipling Avenue underpass. Deck rehabilitation.	
106-78-9 106-79-8	427	Rathburn Road and Bloor Street underpasses. Deck rehabilitation.	

CONSTRUCTION PROJECTS — TORONTO DISTRICT

Project Number	Highway Number	Location	Length
Structure Rehabilitation (Cont'd.)			
106-79-1 106-79-2 106-79-3	427	Canadian Pacific Railway overhead on southbound collector, North Queen Street on southbound collector and Queensway over old Highway 27. Deck rehabilitation.	
106-79-21 106-79-22 106-79-23 106-79-24	427	Northbound collector over Highway 5, northbound collector to core basketweave, Northbound collector over Canadian Pacific Railway and Northbound collector over North Queen Street. Deck rehabilitation.	
81-33	QEW	Highway 427 interchange. Deck rehabilitation on four structures.	
106-78-8 146-81-1	QEW	Kipling Avenue underpass. Deck rehabilitation.	
Resurfacing			
32-81-1	10	From 1.1 km north of Highway 7 northerly. The above project is partially recoverable.	1.0 km
14-80-2	12	Approaches to Atherly Narrows Bridge.	0.4 mi.
81-107	401	From Bathurst Street westerly to just west of Highway 409 westbound core lanes, including bridge deck rehabilitation.	11.3 km

CONSTRUCTION PROJECTS TORONTO DISTRICT

Project Number	Highway Number	Location	Length
Resurfacing (Cont'd.)			
81-108	401	From Bathurst Street westerly to just west of Highway 409 eastbound core lanes, including bridge deck rehabilitation.	11.3 km
148-75-21	401	From Highway 400 westerly to west of Highway 409 - east and westbound collector lanes.	4.0 km
148-75-23	401	From Jane Street easterly to Bathurst Street eastbound collector lanes.	5.8 km
Miscellaneous			
81-87	401	Storm drain improvements at Hogg's Hollow Bridge.	
81-98	401	Noise Barrier retrofit, from Bayview Avenue easterly on south side.	
189-81-1	401	Noise Barrier, from Jane Street easterly south side.	1.1 mi.
59-80-2	401	Noise Barrier retrofit, from Avenue Road westerly on south side.	0.3 mi.
140-81-1	401	Noise Barrier, experimental T-Top section from Don Valley Parkway easterly to Victoria Park Avenue south side.	
168-81-1	401	Noise Barrier retrofit, from Whitby West Limits easterly on north side.	0.8 mi.

CONSTRUCTION PROJECTS TORONTO DISTRICT

Project Number	Highway Number	Location	Length
Miscellaneous (Cont'd.)			
124-81-1	401	Commuter Parking Lot at Highway 12.	
30-81	401	Traffic management system between Islington and Leslie Streets.	17.0 km
81-327	401	Landscaping - Neilson Road interchange, Toronto.	
127-66-63	403	Landscaping - From Highway 10 to Cawthra Road.	1.3 mi.
81-326	403	Landscaping - From Highway 401 southerly to Cawthra Road.	
81-328	BCD	Landscaping - From Jane Street southerly to Lawrence Avenue and from Trethewey Drive southerly to Eglinton Avenue.	
157-75-8	403	Landscaping - From Winston Churchill Boulevard easterly to Erin Mills Parkway.	1.0 mi.
127-66-66	403	Noise Barrier, east and west of Central Parkway on south side - Mississauga.	
157-75-11	403	Noise Barrier, between Winston Churchill Boulevard and Mississauga Road at selected locations.	
81-109	404	Noise Barrier retrofit from north of Sheppard Avenue interchange northerly on west side.	

CONSTRUCTION PROJECTS TORONTO DISTRICT

Project Number	Highway Number	Location	Length
Miscellaneous (Cont'd.)			
156-80-1 156-80-2	QEW	Noise Barrier retrofit, test site from Cawthra Road easterly, north and south side.	0.6 mi.
27-81-1	427	Subdrains and asphalt shoulder restoration from Highway 401 to Queen Elizabeth Way.	4.0 mi.
81-328	BCD	Landscaping - From Jane Street southerly to Lawrence Avenue and from Trethewey Drive southerly to Eglinton Avenue.	

PORT HOPE DISTRICT

WORK IN PROGRESS DURING PAST CONSTRUCTION SEASON

Highway 2 — Bridge Deck Rehabilitation, Shelter Valley Bridge, East of Grafton — Contract 81-18

Highway 401 — Placing Hot Mix, Pavement near Bowmanville — Contract 80-55

CONSTRUCTION PROJECTS PORT HOPE DISTRICT

Project Number	Highway Number	Location	Length
Grading, Drainage, Granular Base, Paving and Structures			
59-75-2 59-75-3 59-75-6 59-75-7 59-75-8 7-79-3 2500-79-1	401 35/ 115	From Waverley Road, Bowmanville easterly to Highway 35/115 - six-laning, including four-structure widenings. Also four-laning of Highway 35 from Highway 401 to 0.6 miles north of Highway 2 and Truck Inspection Station.	3.2 mi. 1.4 mi.
Grading, Drainage, Granular Base and Paving			
81-18	2	From 1.3 km east of County Road 23, Grafton, easterly to Colbourne West Limits, excluding 1.5 km at Vernonville Sideroad.	8.4 km
838-71-1	2	From Colbourne east limits easterly to Brighton West Limits.	5.6 mi.
63-76-1	28	From Peterborough northerly to Lakefield.	4.0 mi.
63-76-2	28	Lakefield Connecting Link. The above project is funded by the Municipal Roads Connecting Link Program.	0.3 mi.
81-99	30	From Brighton North Limits northerly to Hilton including one truck climbing lane.	3.8 mi.
81-19	48	Intersection improvement at Highway 35, including 3.2 km of resurfacing and paving of the Coboconk Patrol Yard.	3.2 km

CONSTRUCTION PROJECTS PORT HOPE DISTRICT

Project Number	Highway Number	Location	Length
Grading, Drainage, Granular Base and Paving (Cont'd.)			
81-62	121	From Kinmount southerly 7.9 km and Secondary Highway 503, from Kinmount westerly, 2.4 km.	10.3 km
80-55	401	From 1.4 miles east of Harmony Road, Oshawa easterly to Waverley Road interchange, Bowmanville, including structure widening at Courtice Road and partial interchange at Holt Road.	6.4 mi.
Grading, Drainage, Granular Base and Paving (Recycled)			
123-76-2 123-76-5	30	From Hilton northerly to Northumberland Road 27, including one truck climbing lane.	8.5 km
82-77-1	35	From south of Highway 121 northerly to Rosedale excluding 2.1 km at Highway 35A intersection.	9.4 km
Grading, Drainage and Structures			
59-75-9 59-75-10 59-75-12 59-75-13	401	Canadian National Railway Subway - Bowmanville Spur - Associated grading and track relocation, including four structures. To be constructed by others. The above project is partially recoverable.	

CONSTRUCTION PROJECTS PORT HOPE DISTRICT

Project Number	Highway Number	Location	Length
Structures			
19-81-2	7	Otonabee River Bridge, Peterborough Bypass.	
48-80-1	505	Grass Creek Bridge, 1.9 km north of Highway 48.	
Structure Rehabilitation			
91-72-17	28	Otonabee River Bridge-Young's Point. Deck rehabilitation.	
107-80-1	30	Trent River Bridge, 5.0 km south of Highway 7. Deck rehabilitation.	
82-77-3	35	Cameron Lake Bridge, 2.7 km north of Highway 35A - Structure modification.	
107-80-2	45	Head Race Bridge - Hastings. Deck rehabilitation.	
Resurfacing			
81-68	7	From Havelock east limits easterly to Marmora including one truck climbing lane and Plate Creek Culvert.	9.9 mi.
Resurfacing (Recycled)			
92-77-1	649	From north of Highway 36, Bobcaygeon, northerly to Highway 121.	16.1 km

CONSTRUCTION PROJECTS — PORT HOPE DISTRICT

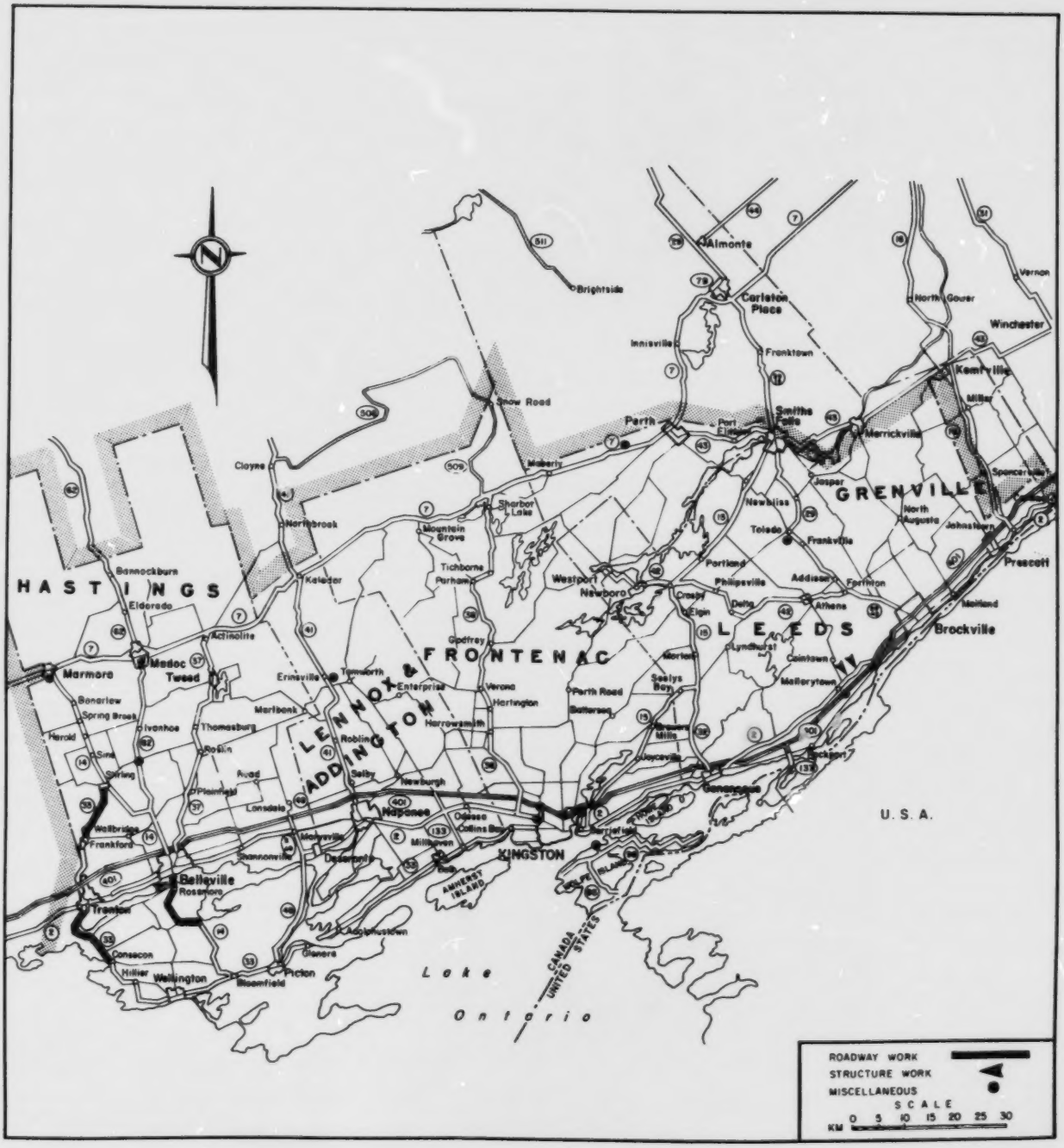
Project Number	Highway Number	Location	Length
Resurfacing (Recycled) (Cont'd.)			
907-67-7 821-76-1 821-76-2 821-76-3 821-76-4 821-76-5	7/ 45	From Norwood easterly to Havelock. From Norwood southerly to 3.7 mi. south of Northumberland Road 25 excluding sections in Hastings.	4.8 mi. 9.0 mi.
Miscellaneous			
2-81-6	401	Commuter Parking Lot at Highway 30.	
2-81-5	401	Commuter Parking Lot at Northumberland Road 25, Colbourne.	
125-81-1	401	Commuter Parking Lot at Northumberland Road 40, Wooler Road.	
2725-78-1 2747-76-2	401	Newtonville Patrol Yard Four Bay Garage.	

KINGSTON DISTRICT

CONSTRUCTION PROJECTS PORT HOPE DISTRICT

Project Number	Highway Number	Location	Length
Resurfacing (Recycled) (Cont'd.)			
907-67-7	7/	From Norwood easterly to Havelock. From Norwood southerly to 3.7 mi. south of Northumberland Road 25 excluding sections in Hastings.	4.8 mi.
821-76-1 821-76-2 821-76-3 821-76-4 821-76-5	45		9.0 mi.
Miscellaneous			
2-81-6	401	Commuter Parking Lot at Highway 30.	
2-81-5	401	Commuter Parking Lot at Northumberland Road 25, Colbourne.	
125-81-1	401	Commuter Parking Lot at Northumberland Road 40, Wooler Road.	
2725-78-1 2747-76-2	401	Newtonville Patrol Yard Four Bay Garage.	

KINGSTON DISTRICT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Perth
Westport
Newboro
Gananoque
Trenton
Picton
Wellington
Consecon
Marmora
Madoc
Tweed
Actinolite
Bancroft
Cloyne
Snow Road
Sharbot Lake
Mountain Grove
Tichborne
Parham
Godfrey
Tamworth
Enterprise
Verona
Harrington
Harrowsmith
Perth Road
Battersea
Seeleys Bay
Glenburnie
Joyceville
Sydenham
Portland
Frankville
Addison
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Barry's Bay
Eganville
Killaloe
Wilno
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Brockville
Prescott
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Rochester
Buffalo
Niagara Falls
Hamilton
Toronto
Oshawa
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Ajax
Pickering
Bowmanville
Cobourg
Port Hope
Colborne
Brighton
Trenton
Belleville

WORK IN PROGRESS DURING PAST CONSTRUCTION SEASON

Highway 14	Norris Whitney Bridge and Approaches Belleville	Contract 80-34

Secondary Highway 509	Reconstruction Snow Road Station	Contract 81-02

CONSTRUCTION PROJECTS KINGSTON DISTRICT

Project Number	Highway Number	Location	Length
Grading, Drainage, Granular Base and Paving			
57-81-1	2	Intersection Improvement at junction of Sydenham Road.	
81-95	33	From 1.3 km north of Frankford northerly to Stirling.	8.4 km
121-74-1	62	From Madoc South Limits northerly to the intersection with old Highway 7.	1.1 km
Grading and Drainage			
87-81-1	62	Intersection improvement at the junction with Hastings County Road 8.	
Structure and Approaches			
80-34	14	The Norris Whitney Bridge and Approaches - Belleville.	1.8 km
Structures			
70-79-2	2	Jones Creek Bridge, 6.1 km west of Highway 401-Interchange 111.	
70-79-3	2	Michael Henry Creek Bridge, 3.4 km west of Highway 401 - Interchange 111.	
Resurfacing (Recycled)			
81-16	14	From Crofton northerly to Rossmore including improvements at the intersection with Oram Road.	13.1 km

CONSTRUCTION PROJECTS KINGSTON DISTRICT

Project Number	Highway Number	Location	Length
Resurfacing (Recycled) and Grading			
81-94	33	From 0.7 km north of Canadian National Railway crossing (north of Consecon) northerly to Trenton South Limits.	11.0 km
Miscellaneous			
2708-80-4	7	Dome construction at Bathurst Patrol Yard, 12.9 km west of Perth.	
2711-80-1	29	Dome and pad construction at Toledo Patrol Yard.	
2748-76-2	41	New Four Bay Garage at Erinsville Patrol Yard 0.5 km north of Lennox/ Addington Road 4.	
2748-76-4	41	Dome construction at Erinsville Patrol Yard.	
181-81-1	96	Repairs to one of the dolphins at Dawsons Point Ferry Dock on Wolfe Island.	
179-81-1	401	Erection of new ground signs at interchanges 101, 102, 103 and 104 in the Kingston Bypass area.	
2601-81-1	401	Repairs to a defective watermain between Service Centres on the north and south sides near Mallorytown.	
162-81-1	Local	Stockpile of Trap Rock aggregates at Marmora.	

OTTAWA DISTRICT

WORK IN PROGRESS DURING PAST CONSTRUCTION SEASON

Highway 17 New — Rock Drilling, Pembroke Bypass — Contract 80-12

Highway 511 — Reconstruction, Brightside to White — Contract 80-47

CONSTRUCTION PROJECTS OTTAWA DISTRICT

Project Number	Highway Number	Location	Length
Grading, Drainage, Granular Base, Paving and Structures			
81-58	16	From 0.6 km south of Regional Road 13 northerly to 0.4 km north of Regional Road 15 including widening of the Jock River Bridge, 1.4 km north of Regional Road 13.	2.9 km
45-71-4 45-71-8	511	From Barryvale Road northerly to the junction with Secondary Highway 508, Calabogie, including a retaining wall structure 0.8 km south of Secondary Highway 508.	4.3 km
45-71-7	508	From Secondary Highway 511 westerly.	1.5 km
Grading, Drainage, Granular Base and Paving			
25-81-1 25-81-2	16	Intersection Improvements at McFarlane Road and at Amberwood Cresc. (south of Ottawa).	
81-97	17	Advance approaches to Jeanne d'Arc Boulevard interchange underpass.	0.9 km
28-81-1	17	Intersection Improvement at Tupper Road - Hawkesbury. To be constructed by others.	
55-78-1	62	From 6.1 km west of Alice westerly to Richards/Fraser Township Line.	10.0 km

CONSTRUCTION PROJECTS OTTAWA DISTRICT

Project Number	Highway Number	Location	Length
Grading, Drainage, Granular Base and Paving (Cont'd.)			
174-80-1	417	From Maitland Road easterly to 0.5 km east of Island Park Drive including repairs to six structures.	3.2 km
45-71-5	511	From Lanark/Renfrew County Line northerly to Barryvale Road.	7.7 km
81-78	7129	From Kennedys Corners southeasterly to Grandview Road.	10.0 km
Grading, Drainage, Granular Base and Structures			
145-74-1 145-74-6	16N	From the south junction with Regional Road 13 near the Rideau River northerly to Regional Road 4 including a bridge over Cranberry Creek.	6.5 km
145-74-2 145-74-4 145-74-5	16N	From Regional Road 4 northerly to existing Highway 16, 0.5 km north of Century Road including structures over Stevens Creek and Mud Creek.	6.9 km
Paving			
2-67-1 10-67-3	17N	From 9.5 miles west of Cobden westerly to Renfrew County Road 17 - Pembroke Bypass.	15.3 mi.

CONSTRUCTION PROJECTS OTTAWA DISTRICT

Project Number	Highway Number	Location	Length
Structure Rehabilitation			
47-80-1	17	South Nation River Bridge 1.0 km west of Prescott County Road 15A.	
40-81-3	31	Hess Creek Bridge south branch 11.3 km north of Highway 401.	
40-81-4	31	Hess Creek Bridge north branch 12.4 km north of Highway 401.	
44-79-2	31	South Caster Drain Bridge 10.1 km north of north junction with Highway 43.	
86-81-1	62	Hazely Bay Bridge, 0.8 km north of the junction with Highway 17.	
109-81-1	138	North Raisin River Bridge south branch 8.7 km north of County Road 18.	
109-81-2	138	North Raisin River Bridge north branch 9.7 km north of County Road 18.	
197-81-1	401	Flagg Road underpass 5.2 km west of Highway 31. The above project is fully recoverable.	
Resurfacing			
817-76-1	7	From Lanark/Ottawa-Carleton Line easterly to old Highway 7.	10.4 km

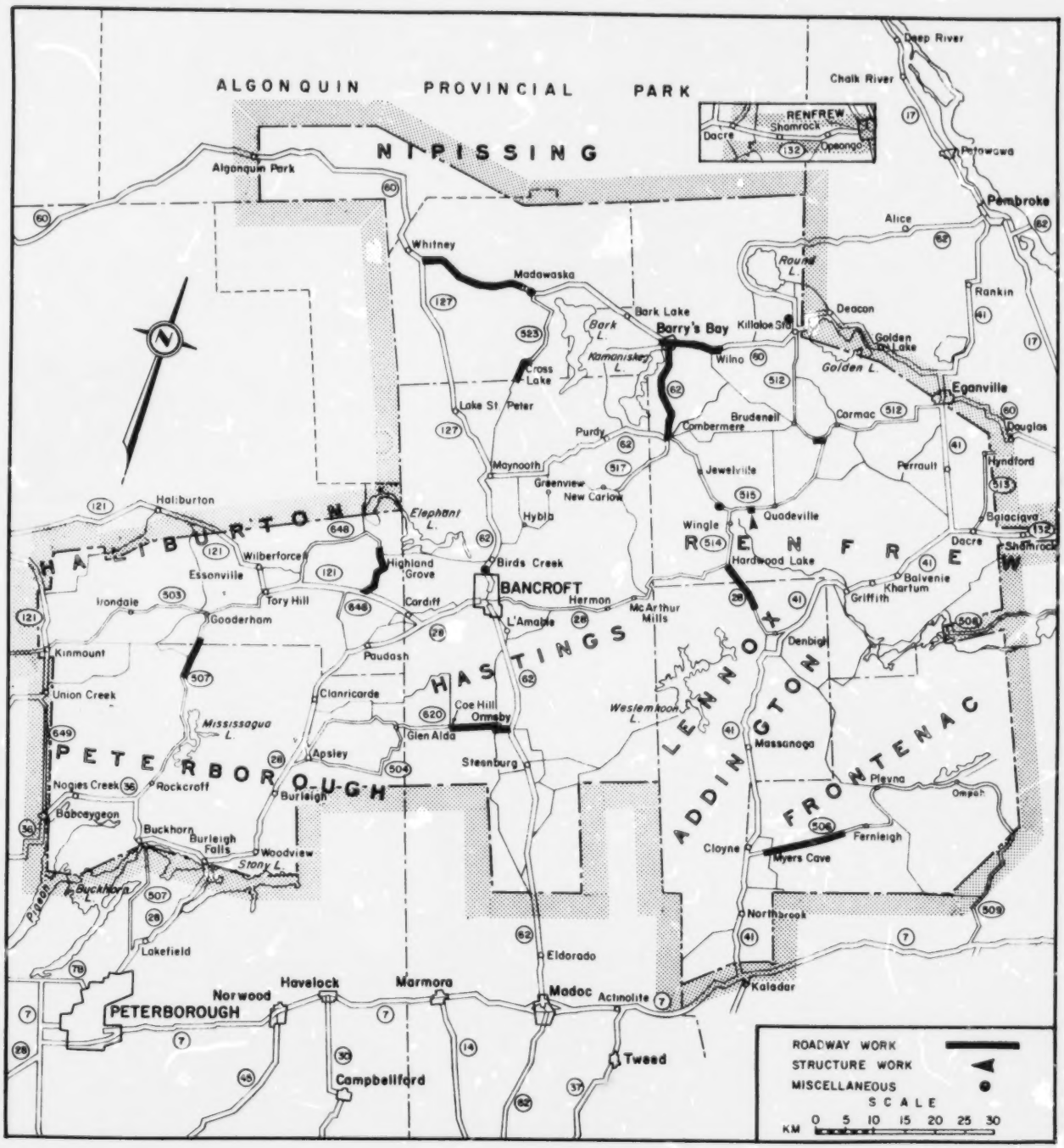
CONSTRUCTION PROJECTS — OTTAWA DISTRICT

Project Number	Highway Number	Location	Length
Resurfacing (Cont'd.)			
801-67	17	From the junction with new Highway 17 westerly to 0.5 km east of Pembroke excluding 0.3 km at Highway 62.	10.9 km
101-80-1	138	From St. Andrews northerly to Highway 43.	12.9 km
252-77-1	401	From interchange 120 (Crysler Park Road) easterly to interchange 122 (Moulinette Road).	19.1 km
Resurfacing (Recycled)			
81-74	60	From Rosebank westerly to Douglas. Also resurfacing of old Highway 17, from New Highway 17, southerly 7.2 km to Highway 60.	12.0 km
Resurfacing and Grading			
44-79-1	31	From Vernon South Limits northerly to Regional Road 6 (to Metcalfe)excluding 0.1 km at the Middle Castor River Bridge.	7.7 km
Miscellaneous			
25-81-3	16	Surface treatment and paving of shoulders from Regional Road 8 near Manotick northerly to Ottawa South Limits.	

CONSTRUCTION PROJECTS OTTAWA DISTRICT

Project Number	Highway Number	Location	Length
Miscellaneous (Cont'd.)			
25-81-4	16	Frost Heave Treatment at approximately four locations from Highway 43 northerly to the Rideau River.	
2700-81-1	31	Building Addition at the Morrisburg Patrol Yard 0.8 km north of Highway 401.	
55-78-2	62	Frost Heave Treatment at the Indian River Bridge, 11.3 km east of the Richards/Fraser Township Line.	
99-81-1	417	Noise Barrier - Ottawa from Richmond Road easterly on the north side.	1.1 km
180-81-1	417	Sub-drains from Ramsay Creek easterly to the east junction with Highway 17.	95.0 km

BANCROFT DISTRICT



WORK IN PROGRESS DURING PAST CONSTRUCTION SEASON

Highway 28 — Paving Operation, East Denbigh — Contract 80-48

Highway 620 — Reconstruction, East of Coe Hill — Contract 80-68

CONSTRUCTION PROJECTS BANCROFT DISTRICT

Project Number	Highway Number	Location	Length
Grading, Drainage, Granular Base, Paving and Structures			
68-76-1 68-76-2	28	From 8.9 km west of Denbigh westerly to Secondary Highway 514 including a structure at Snake River.	8.7 km
Grading, Drainage, Granular Base and Paving			
80-68	620	From Coe Hill easterly to Highway 62.	10.4 km
2753-76-1	62	Killaloe Station Patrol Yard, 4.0 km north of Highway 60. Site development.	
Grading, Drainage and Granular Base			
81-29	506	From 12.9 km east of Highway 41 easterly.	7.6 km
12-67-2	507	From 4.2 km south of Secondary Highway 503 southerly.	7.1 km
Paving			
109-65-3	506	From 6.0 km east of Highway 41 easterly.	14.4 km
Structure and Approaches			
126-78-1 126-78-2	515	Latchford Bridge over the Madawaska River 3.0 km east of Secondary Highway 514.	1.1 km
Resurfacing			
137-65-2	60	From Highway 127 easterly to Madawaska.	17.9 km

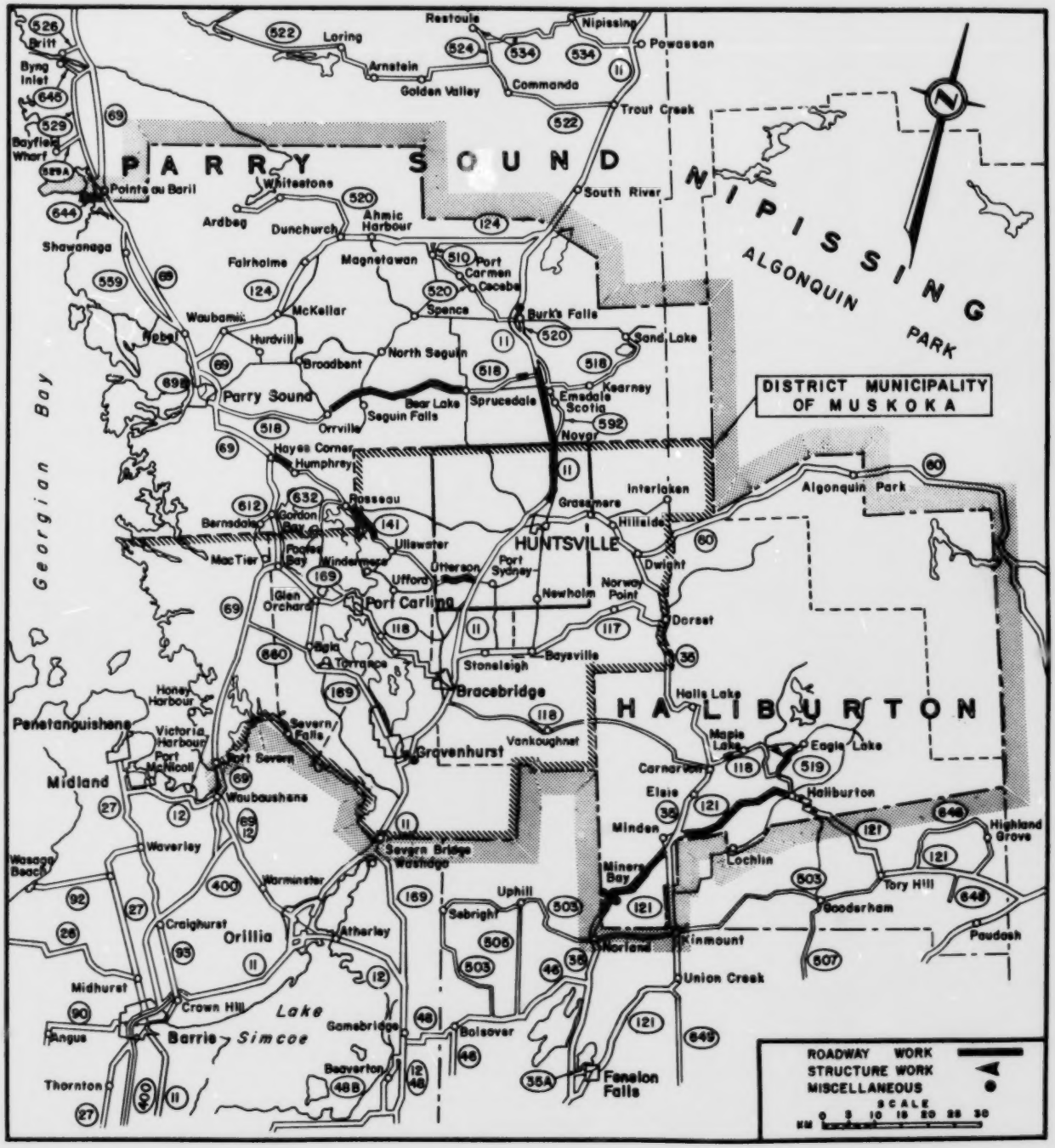
CONSTRUCTION PROJECTS — BANCROFT DISTRICT

Project Number	Highway Number	Location	Length
Resurfacing (Recycled)			
79-78-1	60	From Barry's Bay easterly to Wilno.	9.2 km
79-78-2	60	From the east to west limit of Barry's Bay. The above project is funded by the Municipal Roads Connecting Link Program.	1.8 km
47-78-1	62	From Combermere northerly to Barry's Bay.	17.2 km
Resurfacing and Grading			
26-79-3	648	From 1.2 km north of Highland Grove southerly to the east junction with Highway 121.	11.1 km
Miscellaneous			
137-65-3	60	Frost Heave Treatment east of Madawaska at various locations.	
126-78-3	515	Frost Heave Treatment from Secondary Highway 514 westerly at various locations.	
196-81-1	62	Repairs to a rock cut just north of Bancroft North Limits.	

MAINTENANCE PROJECTS BANCROFT DISTRICT

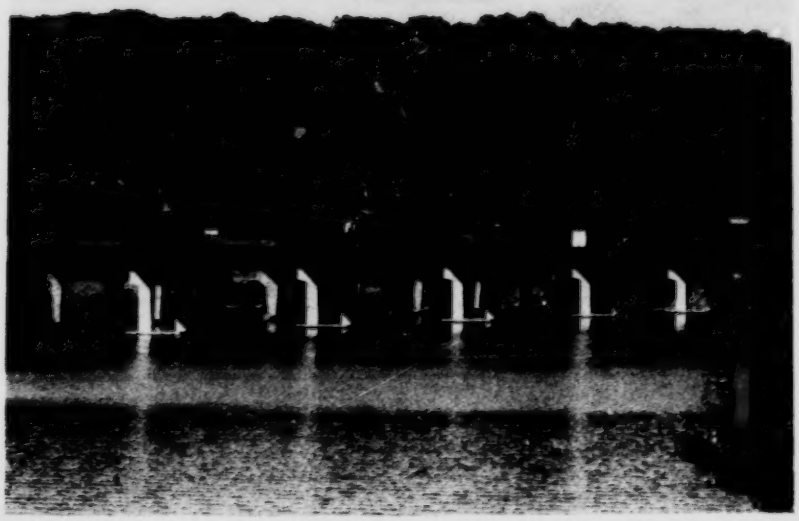
Project Number	Highway Number	Location	Length
Prime and Double Surface Treatment			
	523	From 12.1 km south of Highway 60 southerly 1.1 km and from 15.5 km south of Highway 60 southerly 1.6 km. By Day Labour.	2.7 km
Grading, Drainage and Granular Base			
	515	From Highway 512 westerly. By Day Labour.	1.5 km
	523	From 15.5 km south of Highway 60 southerly 0.8 km and from 16.3 km south of Highway 60 southerly 0.8 km. By Day Labour.	1.6 km

HUNTSVILLE DISTRICT



WORK IN PROGRESS DURING PAST CONSTRUCTION SEASON

Highway 141 — Rock Excavation, West of Highway 11, Westerly — Contract 81-40



Highway 11 — Vernon Lake Narrows, Huntsville — Contract 77-130

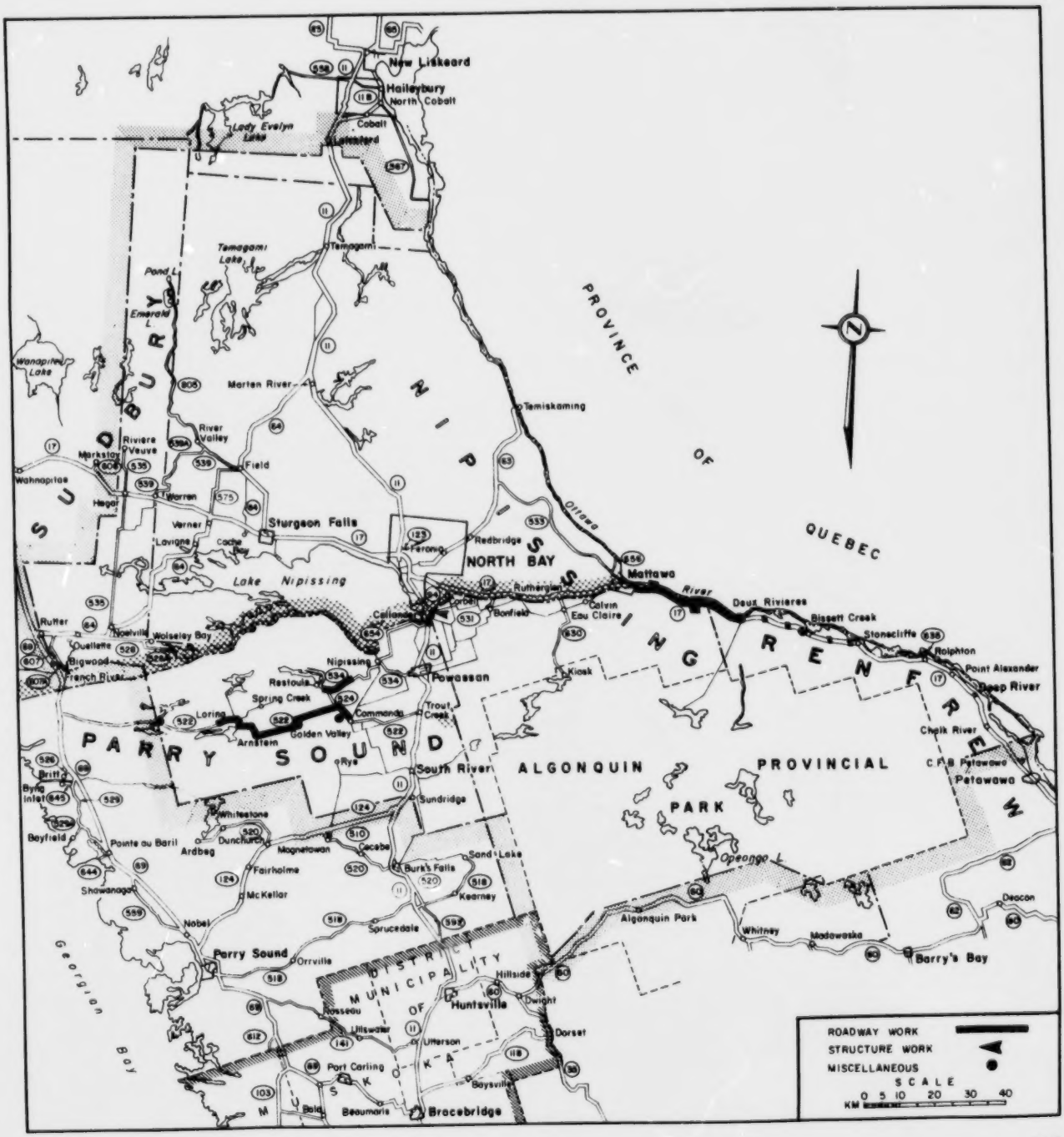
CONSTRUCTION PROJECTS HUNTSVILLE DISTRICT

Project Number	Highway Number	Location	Length
Grading, Drainage, Granular Base, Paving and Structures			
78-22-1 78-72-2	141	From 5.3 mi. east of Secondary Highway 632 easterly, including one associated structure at the Rosseau River.	3.2 mi.
32-79-1 32-79-3	519	From 2.1 km north of Highway 118 northerly, including one associated structure at Gull River.	5.9 km
Grading, Drainage, Granular Base and Paving (Recycled)			
81-13	121	From 0.4 km east of Highway 35 easterly to 0.6 km west of Secondary Highway 519 including 10.5 km of Hot Mix Patching from Haliburton east limits easterly.	20.8 km
Structure Rehabilitation			
81-92	11	Cathodic protection of the two Gull River Bridges at Gravenhurst.	0.0 km
430-65-1	35	Gull River at Moore Falls (South Bridge), 6.6 mi. north of Secondary Highway 503.	0.0 km
430-65-2	35	Gull River at Moore (North Bridge), 6.8 mi. north of Secondary Highway 503.	0.0 km

CONSTRUCTION PROJECTS — HUNTSVILLE DISTRICT

Project Number	Highway Number	Location	Length
Resurfacing			
430-65	35	From 3.7 mi. north of Norland northerly to the south junction of Highway 121.	11.9 mi.
Resurfacing (Recycled)			
81-22	11	From 3.0 km north of Highway 60 northerly including rehabilitation of three associated structures and intersection improvement at Burk's Fall's north entrance.	22.6 km
620-72-1	141	From Highway 69 easterly.	3.2 mi.
31-70-2	141	From Highway 11 westerly.	5.0 mi.
612-72-1	141	From 1.0 mi. east of Secondary Highway 632 easterly.	4.2 mi.
MAINTENANCE CAPITAL			
Grading, Drainage and Granular Base			
7600-79	118	From 5.6 km to 6.9 km west of Guilford.	1.9 km
1520-76	518	From 2.9 km west of Highway 11 westerly.	1.5 km
Drainage			
	518	Sprucedale to Orrville	21.0 km

NORTH BAY DISTRICT SOUTH



WORK IN PROGRESS DURING PAST CONSTRUCTION SEASON

Highway 17 — Structure Rehabilitation of Canadian Pacific Overhead at Deux Rivieres — Contract 81-309

Highway 17 — Structure Rehabilitation of Aumond Creek Bridge — Contract 81-309

CONSTRUCTION PROJECTS NORTH BAY DISTRICT

Project Number	Highway Number	Location	Length
Grading, Drainage, Granular Base and Paving			
151-81-3	17	From 31.4 km east of Mattawa easterly.	0.2 km
Grading, Drainage and Granular Base			
81-101	522	From Loring westerly, including prime and surface treatment.	6.0 mi.
81-83	534	From 1.4 km west of Secondary Highway 524 easterly.	9.6 km
Grading, Drainage and Structures			
72-74-8 72-74-3 72-74-4	11	From Highway 94 southerly including south and northbound structures at Derland Road.	1.9 km
Paving			
137-76-1	522	From Commanda westerly to Loring.	39.6 km
Structure Rehabilitation			
151-81-5	17	Bissett Creek Bridge, west of Bissett.	0.0 km
137-76-4	522	Commanda Creek Bridge, 1.0 km west of Commanda.	0.0 km
137-76-5	522	Ess Narrows Bridge, 18.0 km west of Loring.	0.0 km
Resurfacing (Recycled)			
417-64-2 151-81-1 151-81-2	17	From Canadian Pacific Railway subway in Mattawa easterly including the extension of two passing lanes.	32.5 km

CONSTRUCTION PROJECTS NORTH BAY DISTRICT

Project Number	Highway Number	Location	Length
Miscellaneous			
72-74-12	11	Canadian National Railway relocation on the Callander Bypass.	1.6 km
72-74-13	11	Gas Pipeline relocation on the Callander Bypass. To be constructed by others.	3.2 km
Miscellaneous			
151-81-4	17	Hot Mix Patching from Deux Rivieres easterly to Stonecliffe, various locations.	1.6 km

SUDBURY DISTRICT SOUTH

CONSTRUCTION PROJECTS SUDBURY DISTRICT

Project Number	Highway Number	Location	Length
Prime and Surface Treatment			
98-81-1	522	From Highway 69 northerly to Ess Narrows.	25.9 km

Ontario

Ministry of Northern Affairs
Minister: Leo Bernier

Ministry of Transportation and Communications
Minister: James Snow

Provincial Highways Construction Projects 1982-83

April 1982

THE COVER

The picture on the cover features Contract 80-212 which is the replacement of the McArty Creek Bridge located on Secondary Highway 539, 8.9 km west of Highway 64.

The structure is in District 13, North Bay and was completed in the late fall of 1981. The total cost was $734,000 and included 0.8 km of grading, drainage, granular base and paving to complement the new structure.

FOREWORD

This publication presents the proposed Capital Construction Projects for highways in Northern Ontario for the 1982 fiscal year.

The transportation system is vital to the continuing growth of Northern Ontario. The objective of the Ministry of Northern Affairs is to provide a satisfactory highway system to meet the economic and social needs of Northern Ontario. This year's projects will continue expanding and upgrading the existing network. All of the projects have been selected on a priority basis to ensure that available funds are used to benefit all of Northern Ontario.

The following information highlights some of the various projects proposed for 1982.

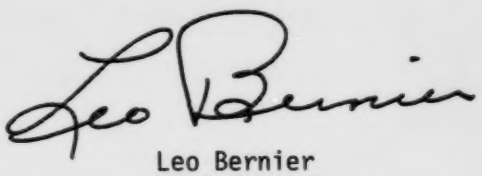
Major work expanding the road system in Northern Ontario will include projects such as the Kenora Bypass, the Sudbury Northwest Bypass, and Detour Lake Road northeast of Cochrane. Work will proceed on the four-laning of both Highway 11 south of North Bay bypassing Callander, and the Thunder Bay Expressway.

Rehabilitative work on the existing King's Highway system will include Highway 11 from 40 km east of Atikokan, from Secondary Highway 584 easterly to Longlac, Highway 101 east of Highway 129, and Highway 144 south of Highway 560 southerly. Also included are projects on Highway 17 west of Raith, from Highway 108 easterly, and the Little Sturgeon River Bridge.

Some of the projects on the Secondary Highway system will include Secondary Highway 596 northerly to Minaki, Secondary Highway 527 northerly to Hurkett Road, Secondary Highway 631 from Hornepayne northerly, Secondary Highway 556 east of Secondary Highway 552, Secondary Highway 655 Timmins northerly, and Secondary Highway 637 from 17.5 km west of Highway 69, as well as projects at other locations.

Last year, recycled asphaltic pavement was utilized on 15 rehabilitative projects in Northern Ontario. This year there are seven projects which are specifically identified in this publication where the recycling method will be used. A significant benefit realized by the introduction of hot mix recycling is the saving of non-renewable resources.

The passing lane and paved shoulder programs for major arterial routes will continue this year since these additions have proved to be an efficient method of improving safety and operating speeds on our highways.



Leo Bernier
Minister of
Northern Affairs

HIGHWAY CONSTRUCTION PROGRAM 1982-83
NORTHERN ONTARIO

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NOTE: Construction projects listed under the various districts are either new work or contracts under construction with a substantial amount of work yet to be carried out this fiscal year.

FINANCIAL SUMMARY - NORTHERN ONTARIO

Northern Roads Program 1982-83 Capital and Construction	Estimated Total Value	Proposed Expenditure
Capital Construction Projects	95,440,000	57,161,000
Preliminary Project Work	300,000	200,000
Miscellaneous Construction	1,439,000	1,439,000
Minor Capital	4,200,000	4,200,000
TOTAL	101,379,000	63,000,000
FUNDS TO BE VOTED - VOTE 703 item 1		63,000,000

EXPLANATION OF FINANCIAL CATEGORIES

Capital Construction Projects

This represents the greatest part of the roads program and consists of major contract work on northern provincial roads, including contracts carried over from the previous year as well as proposed new work.

Preliminary Project Work

The estimated cost of such items as utility relocation, advance ordering of construction materials and other work that must be undertaken prior to a contract award is allocated to this category.

Miscellaneous Construction

This covers a variety of work which is not provided for in the other categories, such as:

(i) Projects in which the Ministry is involved as an owner or as an interested party. In many cases the work is carried out by a municipality or other agency and a portion of the cost is paid by the Ministry.

(ii) Service Contracts - consisting of work supplementary to other contracts such as seeding and mulching.

(iii) Railway Level Crossing Protection - consisting of the installation of automatic signal protection, or the modernization of existing signal protection at highway-railway level crossings.

Minor Capital Roads Program

Projects under this program represent needed highway improvements of a geometric or structural nature which do not readily fall into either the normal contract process or the maintenance program. The work is located in Northern Ontario and usually on the Secondary Highway system. In general, the work is carried out by direct utilization of local labour, equipment and materials.

MAJOR PROJECTS - NORTHERN ONTARIO

The following pages describe several projects which have been selected to highlight this year's program. All of these projects involve highway construction of considerable magnitude and cost and each is vital to the efficient performance of the transportation system in the north.

The resumés feature work that has recently been completed, work that is underway and work that is to be awarded this fiscal year. Maps are also included in order to illustrate project locations.

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Highway 17 New	-	Kenora Bypass	XIII
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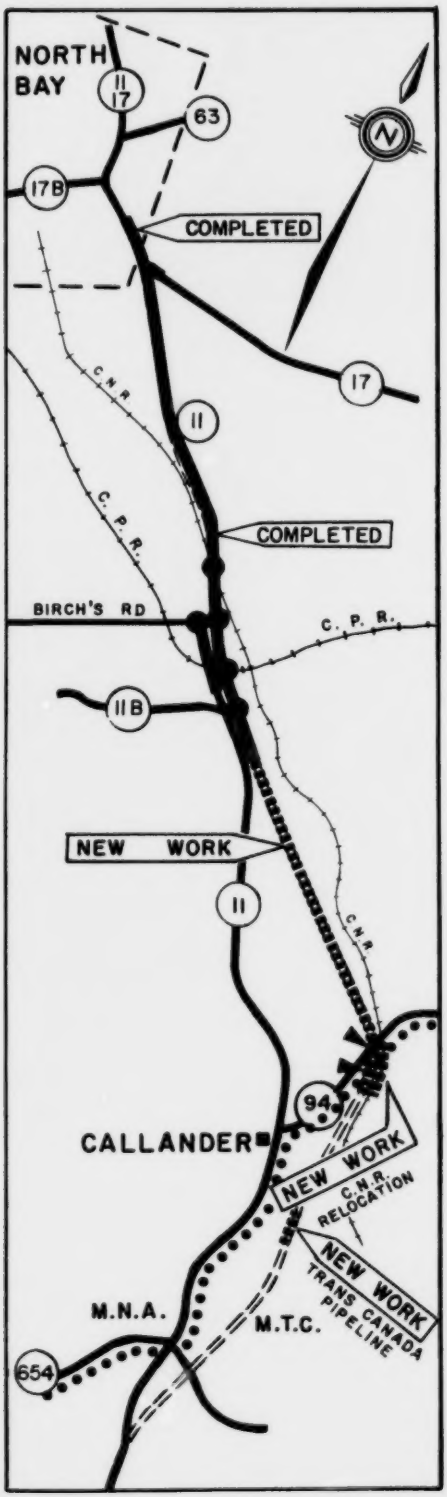
Highway 11 - North Bay Southerly

The existing North Bay Bypass was widened in 1978 from two to four lanes at a cost of $2 million.

The first project in a continuous series of work to provide a bypass of Callander as a four lane facility was completed in the fall of 1981. This section included 7.3 km of grading, drainage, granular base, paving, and seven structures at a cost of $9.6 million.

Relocation of the Canadian National Railway and the Trans Canada Pipeline will start this year. These relocations, which are expected to be completed late in 1982, are necessary to prevent conflict with future highway grading contracts.

A further 4.7 km of road construction is expected to be awarded this year which will include 1.9 km south of Highway 94.

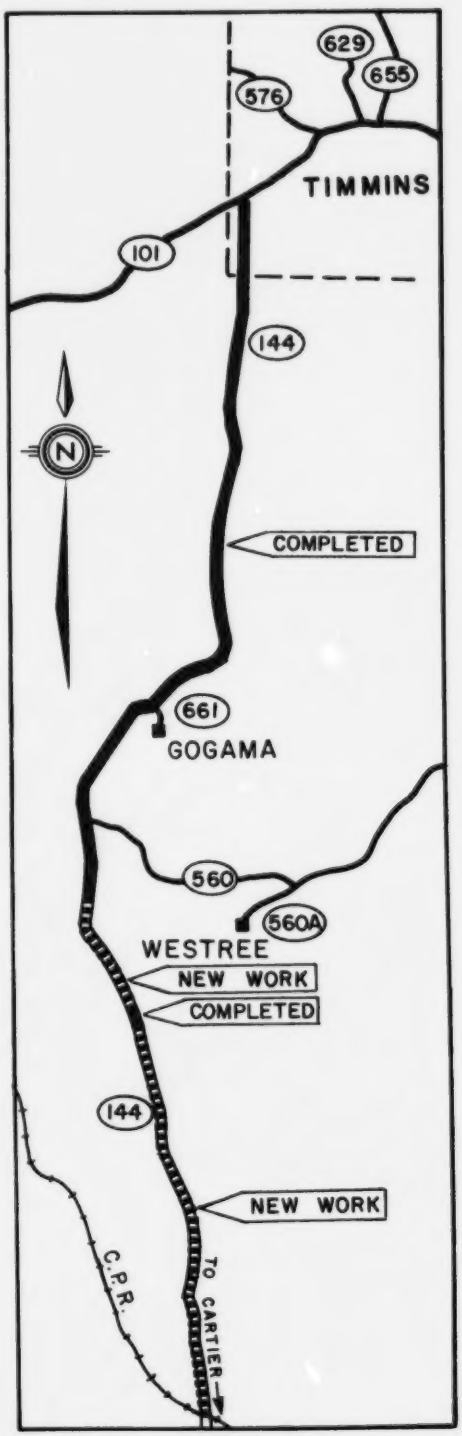


Highway 144 - Secondary Highway 560 Southerly

An ongoing program was initiated in 1978 to provide a wider driving surface and partially paved shoulders for Highway 144 from Highway 101 southerly to Cartier.

To date three contracts have been awarded in 1978, 1979 and 1980 respectively, completing a total of 131.9 km from Highway 101 southerly at a cost of $4 million.

This year the program will continue with a project from south of Secondary Highway 560 southerly 41.8 km.

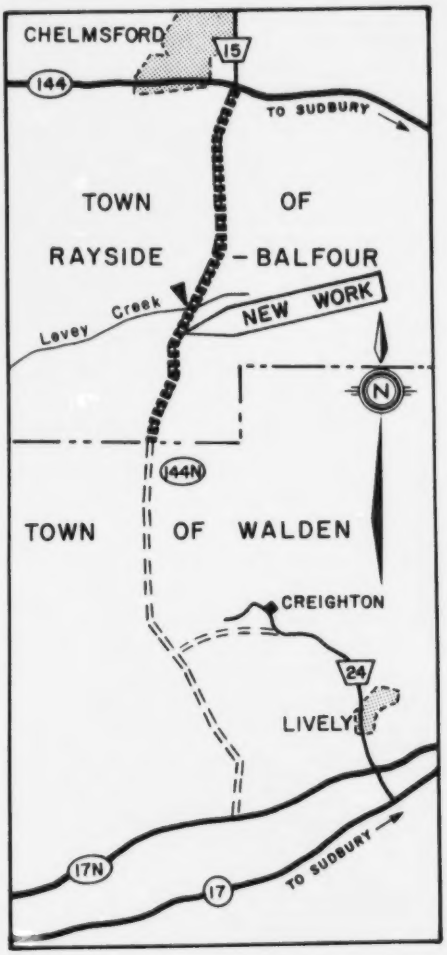


Highway 144 New - Sudbury Northwest Bypass

Previous planning studies identified the need for a connection between new Highway 17 and Highway 144 on the west side of Sudbury to form a northwest bypass of Sudbury.

The proposed new bypass will start at Highway 144 east of Chelmsford and proceed southerly to intersect new Highway 17 west of Lively. The new highway will be constructed as a two lane facility with provision for future four-laning.

The first project in this new bypass construction will be awarded this year. It will include the north section of the bypass from Highway 144 southerly 8.7 km and will consist of grading, drainage and granular base as well as a structure at Levey Creek.

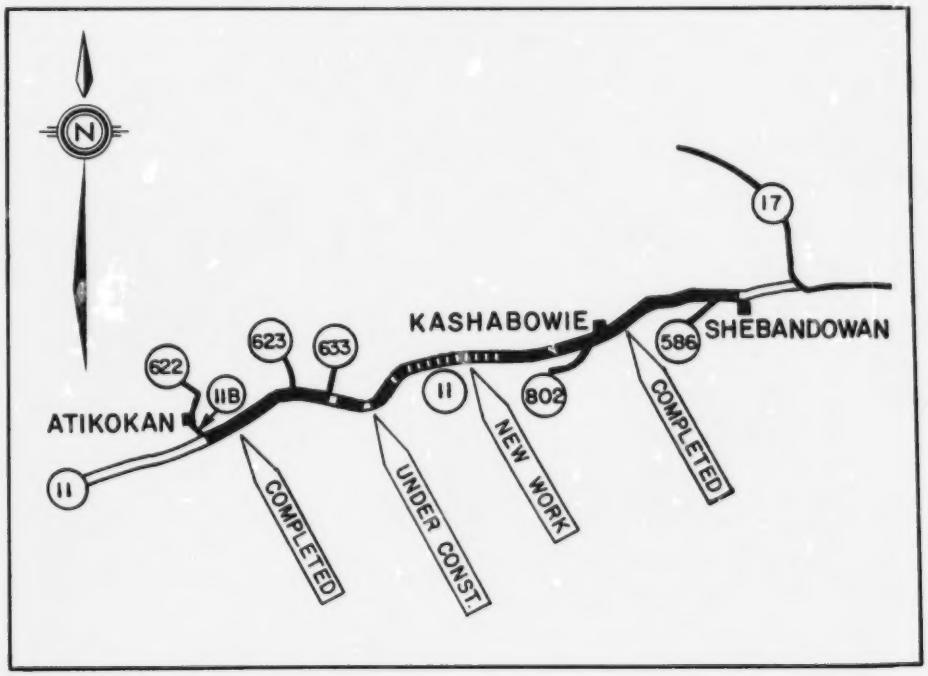


Highway 11 - Atikokan to Shebandowan

A program to upgrade and resurface the section of Highway 11 from Atikokan to Shebandowan was started in 1977.

Since that time approximately 40 km from Shebandowan westerly and 40 km from Atikokan easterly have been completed. A contract was awarded in 1981 covering the section from 10.8 km east of Secondary Highway 633 easterly 21.8 km. The work is expected to be completed by the spring of 1983. The total value of the work completed or underway is $17.6 million.

An additional project is scheduled for award during the 1982 fiscal year from 32.6 km east of Secondary Highway 633 easterly 16.6 km. This project will complete the upgrading of the entire section of Highway 11 between Atikokan and Shebandowan.

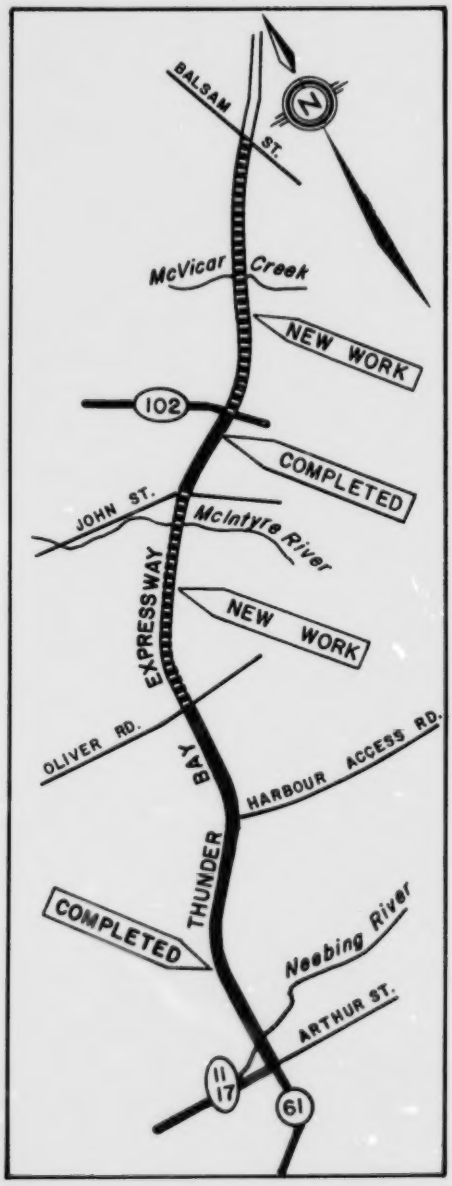


Highway 11/17 - Thunder Bay Expressway

Traffic conditions on the Thunder Bay Expressway have been improved over the past few years by upgrading the major intersections. The intersection improvements provided four traffic lanes on the Expressway and included left and right turning lanes. As a result of this work, the section of the Expressway between Highway 102 and John Street has been completed to a four lane facility. The total cost of the intersection work was approximately $2 million.

In 1980 a contract was awarded for four-laning from Oliver Road to Arthur Street. The work included the widening of the Neebing River Structure and provided four traffic lanes divided by an eight foot median. The value of the work was estimated at more than $2 million.

This year a contract will be awarded for the four-laning of the sections between Oliver Road and John Street, and from Highway 102 to Balsam Street.



Bending Lake Road

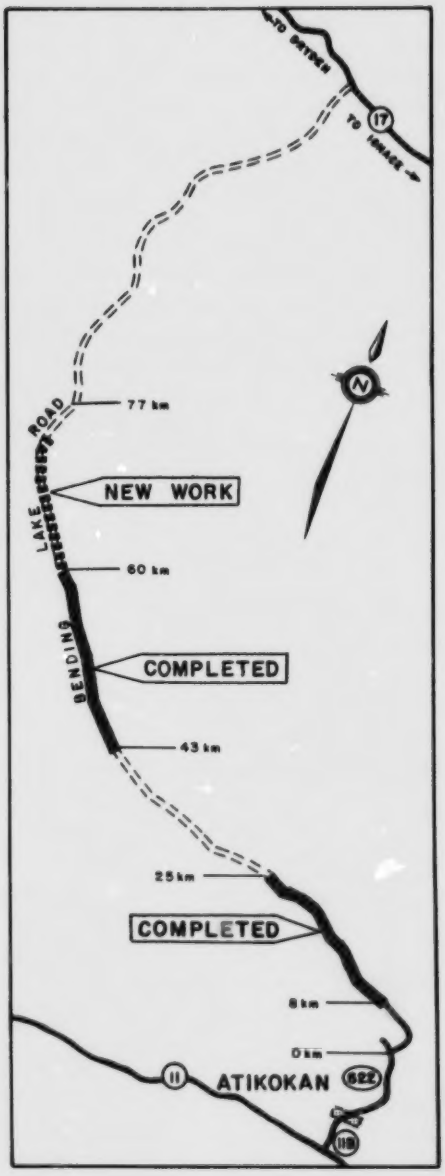
Bending Lake Road is a proposed new road link which will run from Secondary Highway 622 at Atikokan northerly to Highway 17 between Ignace and Dryden.

In addition to providing a new transportation link between Highway 11 and Highway 17, the road is intended to facilitate resource development in the Bending Lake area northwest of Atikokan.

Work on the new road began in 1979 with advance clearing from Highway 17 southerly and from Secondary Highway 622 northerly. In addition, a contract was awarded for grading from 43 km north of Secondary Highway 622 northerly for 17 km. This work was completed in 1980.

In 1980 a contract was awarded for grading from 8 km north of Secondary Highway 622 northerly for 17 km and additional advance clearing was carried out from 60 km north of Atikokan northerly for 17 km. This work was completed in the summer of 1981. The total value of the work completed is estimated to be $8.0 million.

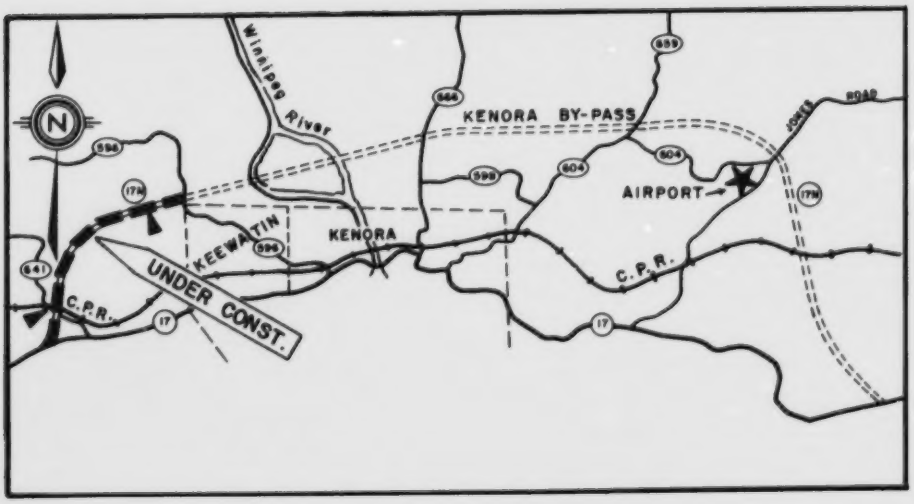
This year a contract will be awarded for grading from 60.5 km north of Secondary Highway 622 northerly for 13.1 km. Funding is provided under the Northern Economic Development Program.



Highway 17 New - Kenora Bypass

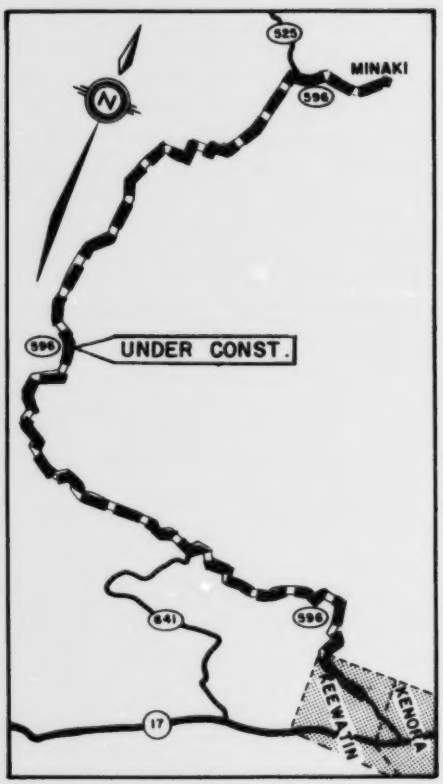
Increasing traffic volumes and congestion in Kenora on the Trans-Canada route of Highway 17 have resulted in the proposal for a bypass of the Kenora, Keewatin and Jaffray-Mellick areas on new alignment. The new route will run north of Kenora, beginning just west of Highway 71, continuing north of the Kenora Airport, then turning westerly across Secondary Highways 659, 666 and 596, then southerly across Secondary Highway 641 to connect to existing Highway 17 west of Keewatin. The new facility will feature two lanes of pavement with fully paved shoulders and will require major structures at two railway crossings and at the east and west arms of the Winnipeg River. The new alignment allows for future development to a four lane divided freeway.

A contract was awarded in late 1981 on this multi-million dollar project on the section of the new route from Secondary Highway 596 westerly 7.2 km to the connection with existing Highway 17. The work will include a structure over the Canadian Pacific Railway and Secondary Highway 641, and a structure at Middle Lake crossing.



Secondary Highway 596 - Kenora to Minaki

The Minaki Lodge and related facilities are presently being developed to help meet the need for an additional major tourist attraction and accommodation at a remote setting in Northern Ontario. As part of this multi-million dollar development Secondary Highway 596, which provides the road access to the Lodge, will be upgraded. The completed road will feature a two lane paved driving surface and improved alignment with wider shoulders and better drainage.



Work began in 1980 with the award of two contracts for grading from Minaki southerly for 12 km and from 12 km south of Minaki southerly for 11 km. The work is expected to be completed by summer of 1982 at an estimated cost of $5.8 million.

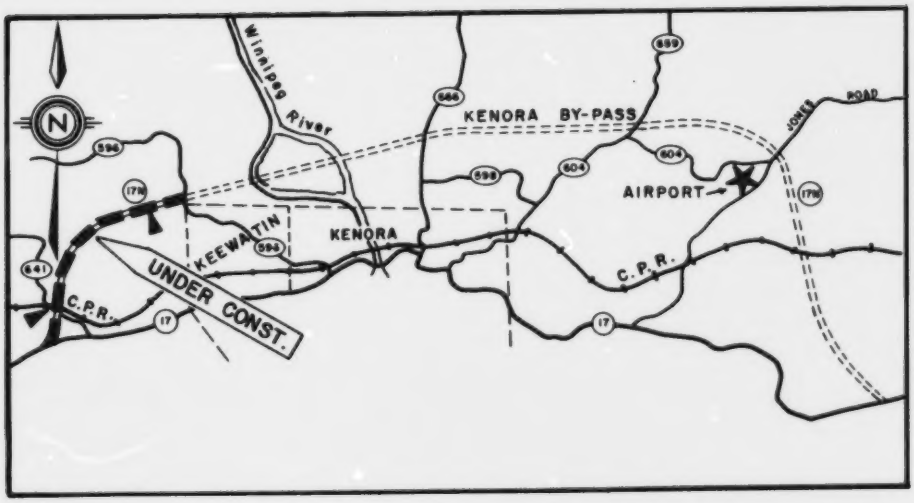
In 1981 three additional contracts were awarded which included the grading for the section from 13 km north of Keewatin northerly for 11 km to the work begun in 1980, the follow-up paving of the 23 km section from the Lodge southerly, and grading on the section from just north of Darlington Bay at Keewatin northerly for 13 km. The work awarded in 1981 is expected to be completed early in 1983.

Funding is provided under the Northern Economic Development Program.

Highway 17 New - Kenora Bypass

Increasing traffic volumes and congestion in Kenora on the Trans-Canada route of Highway 17 have resulted in the proposal for a bypass of the Kenora, Keewatin and Jaffray-Mellick areas on new alignment. The new route will run north of Kenora, beginning just west of Highway 71, continuing north of the Kenora Airport, then turning westerly across Secondary Highways 659, 666 and 596, then southerly across Secondary Highway 641 to connect to existing Highway 17 west of Keewatin. The new facility will feature two lanes of pavement with fully paved shoulders and will require major structures at two railway crossings and at the east and west arms of the Winnipeg River. The new alignment allows for future development to a four lane divided freeway.

A contract was awarded in late 1981 on this multi-million dollar project on the section of the new route from Secondary Highway 596 westerly 7.2 km to the connection with existing Highway 17. The work will include a structure over the Canadian Pacific Railway and Secondary Highway 641, and a structure at Middle Lake crossing.



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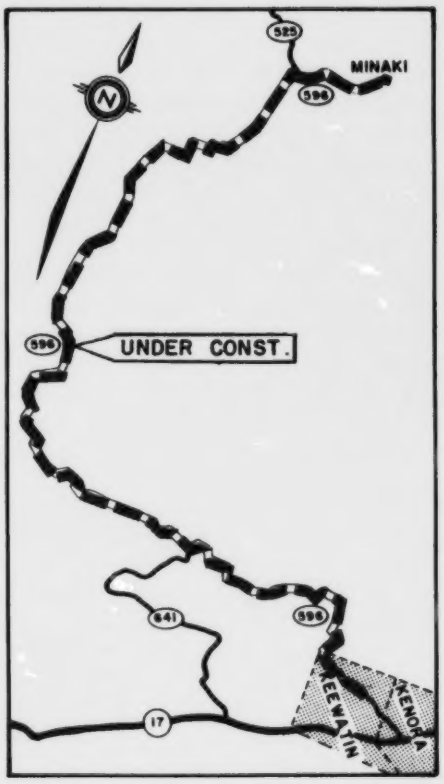

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Funding is provided under the Northern Economic Development Program.

Detour Lake Access Road

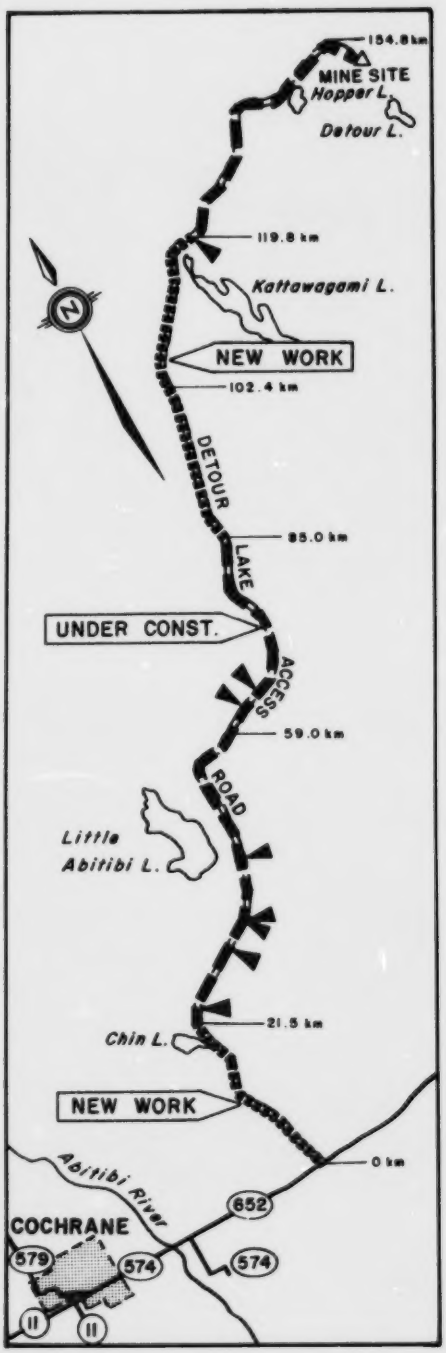
Detour Lake Road is a proposed new road which will run from Secondary Highway 652 east of Cochrane, northerly to the Detour Lake area, a total of 155 km. The road is being constructed to provide access to the proposed Detour Lake Joint Venture gold and copper mining development. In addition, the road will provide access to other areas of high mineral potential as well as to other resources such as forestry, recreation and tourism.

The new road construction together with the mining operation, will provide significant socio-economic benefits to communities in the Cochrane region.

The road will follow a former forest access road on the southerly 21 km and will use new alignment north of the Chin Lake area. Eight new structures will be required.

Work began early in 1981 with advance clearing operations from Chin Lake northerly for 37.5 km. The clearing was followed with four contracts for grading drainage, granular base and one structure.

This year two contracts will be awarded from Secondary Highway 652 northerly 21 km, and from 85 km north of Secondary Highway 652 northerly 35 km.



SPECIFIC PROGRAMS

Passing Lanes

The passing lane and truck climbing lane programs have been developed as a cost effective means of providing safe opportunities to pass slower moving traffic and maintain a smoother flow during peak traffic periods.

A review of conditions where passing lanes have been constructed indicates that they function in a very satisfactory manner. Public reaction has also been favourable, especially on the Trans-Canada Highway in Northern Ontario.

It is intended to continue with the construction of passing lanes in areas where the present criteria and experience indicate they will be effective.

Twelve passing lanes have been proposed for award during 1982, of which five will be in Northern Ontario.

The following table indicates the number of passing lanes constructed in Northern and Southern Ontario over the past ten years on an annual basis.

Year	Northern Ontario	Southern Ontario
1981	3	5
1980	15	4
1979	11	3
1978	9	1
1977	28	17
1976	26	1
1975	36	--
1974	8	4
1973	7	--
1972	--	8
Total Number of Lanes since 1972.	143	43

Air Program

Remote Airport Construction Program

A program to construct airports at selected isolated Native settlements in Northern Ontario was introduced in 1968. The original plan was to develop a total of 14 airports, 12 of which were at isolated settlements, and two at Pickle Lake and Moosonee, to serve as southern terminal points in the system. Five additional isolated settlements, for a total of 17, and one additional airport at the Armstrong community, north of Lake Nipigon for a total of three terminal points, were subsequently added to the system. All airports are now in service except at one of the isolated settlements which is under construction.

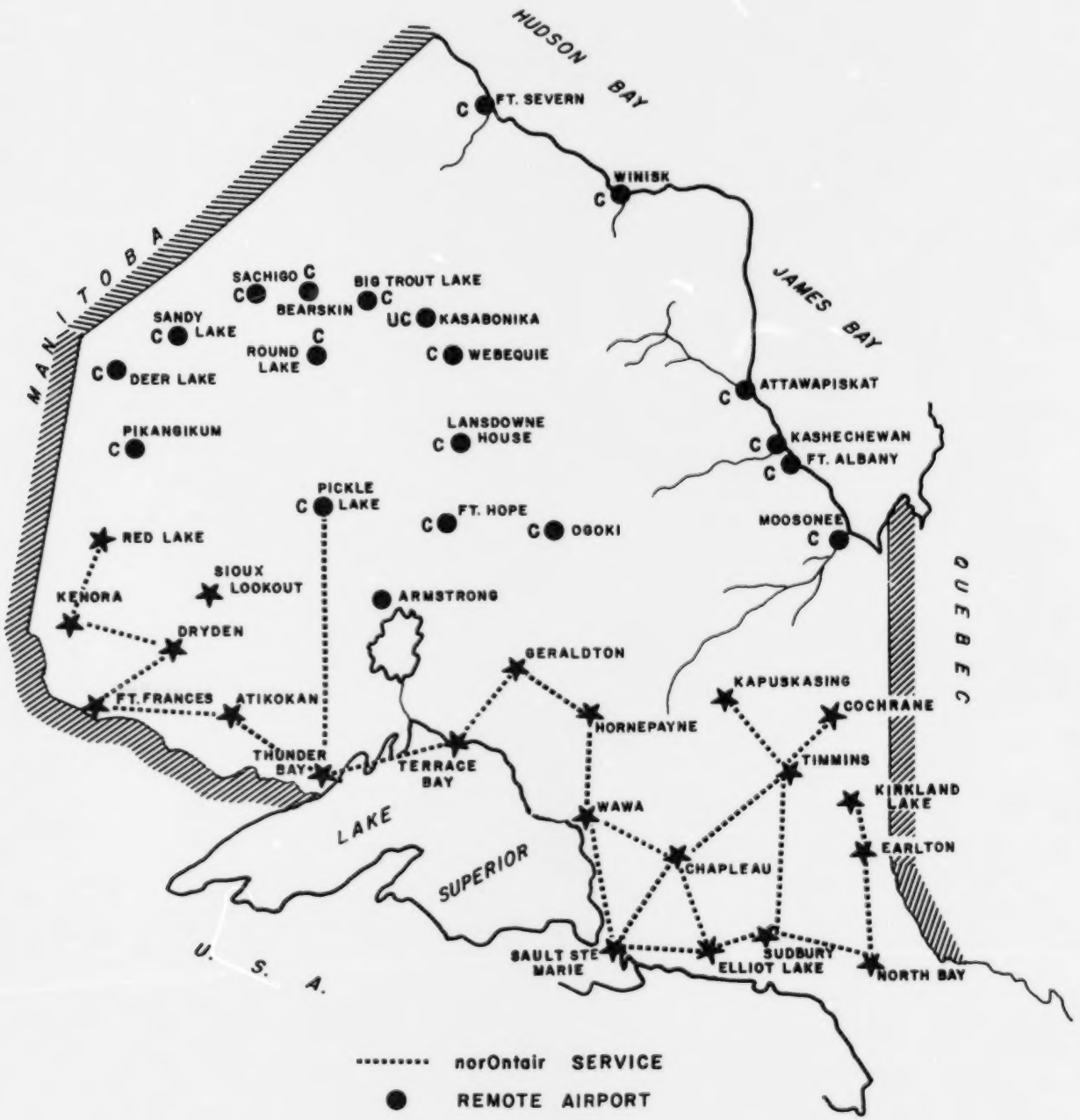
The improvement in the air transportation system in this part of the province is particularly important inasmuch as these settlements are not accessible by conventional all-season surface transport modes. All building materials, food, mail, fuel and other supplies are delivered by air. While many of these shipments could be made by float or ski equipped aircraft, land-based aircraft offer many advantages in payload, fuel efficiency and in continuity of service uninterrupted by seasonal freeze-ups and break-ups.

A major project for 1982-83 will be the substantial completion of construction at Kasabonika. The program has provided for a potential construction start at one additional isolated settlement and for various improvements at several of the existing airports.

STATUS OF REMOTE AIRPORTS

Community	Estimated Population	Runway Length	Program Status
Armstrong	500	3,790	In Operation
Attawapiskat	843	3,500	In Operation
Bearskin Lake	336	3,500	In Operation
Big Trout Lake	612	3,400	In Operation
Deer Lake	413	3,500	In Operation
Fort Albany	728	3,500	In Operation
Fort Hope	675	3,500	In Operation
Fort Severn	242	3,500	In Operation
Kasabonika	419	3,500	1982 Construction
Kashechewan	847	3,800	In Operation
Lansdowne House	210	3,500	In Operation
Moosonee	2,500	4,000	In Operation
Ogoki	100	2,000	In Operation
Pickle Lake	929	4,500	In Operation
Pikangikum	895	3,500	In Operation
Round Lake	473	3,500	In Operation
Sachigo Lake	244	3,500	In Operation
Sandy Lake	1,190	3,500	In Operation
Webequie	445	3,500	In Operation
Winisk	253	5,000	In Operation

THE REMOTE AIRPORT PROGRAM
AND
THE AIR SERVICE (norOntair) PROGRAM



norOntair SERVICE

REMOTE AIRPORT

OTHER AIRPORTS

C COMPLETED

UC UNDER CONSTRUCTION

Railway Grade Separations - Northern Ontario

Grade separations at railways proposed for 1982 are listed below:

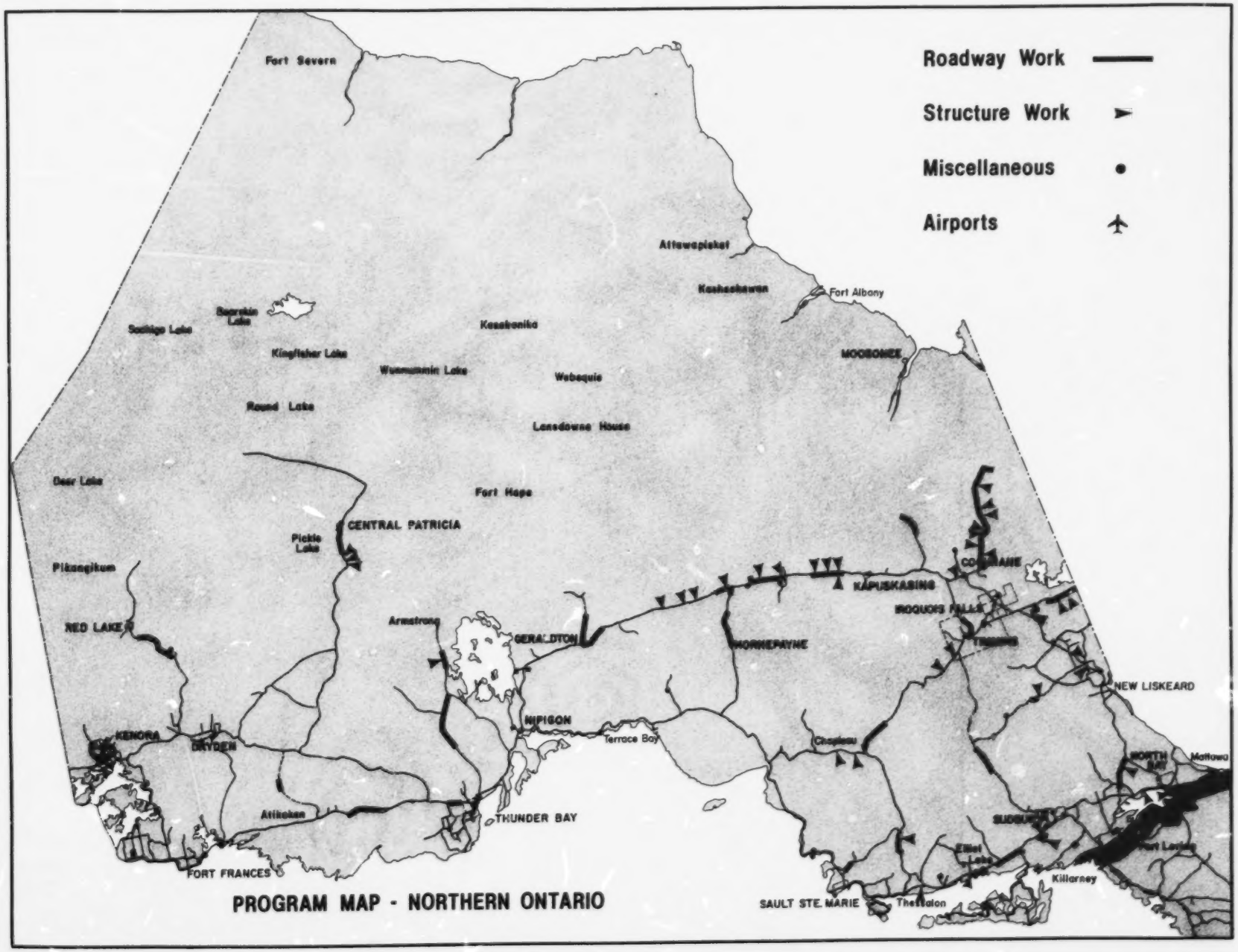
Highway	W.P. Number	Location
11	72-74-02	Canadian National Railway Underpass, 4.5 km south of Nipissing Junction.

SUMMARY OF NEW WORK - NORTHERN ONTARIO - ROADS

An overall summary of new work for 1982-83 is listed below:

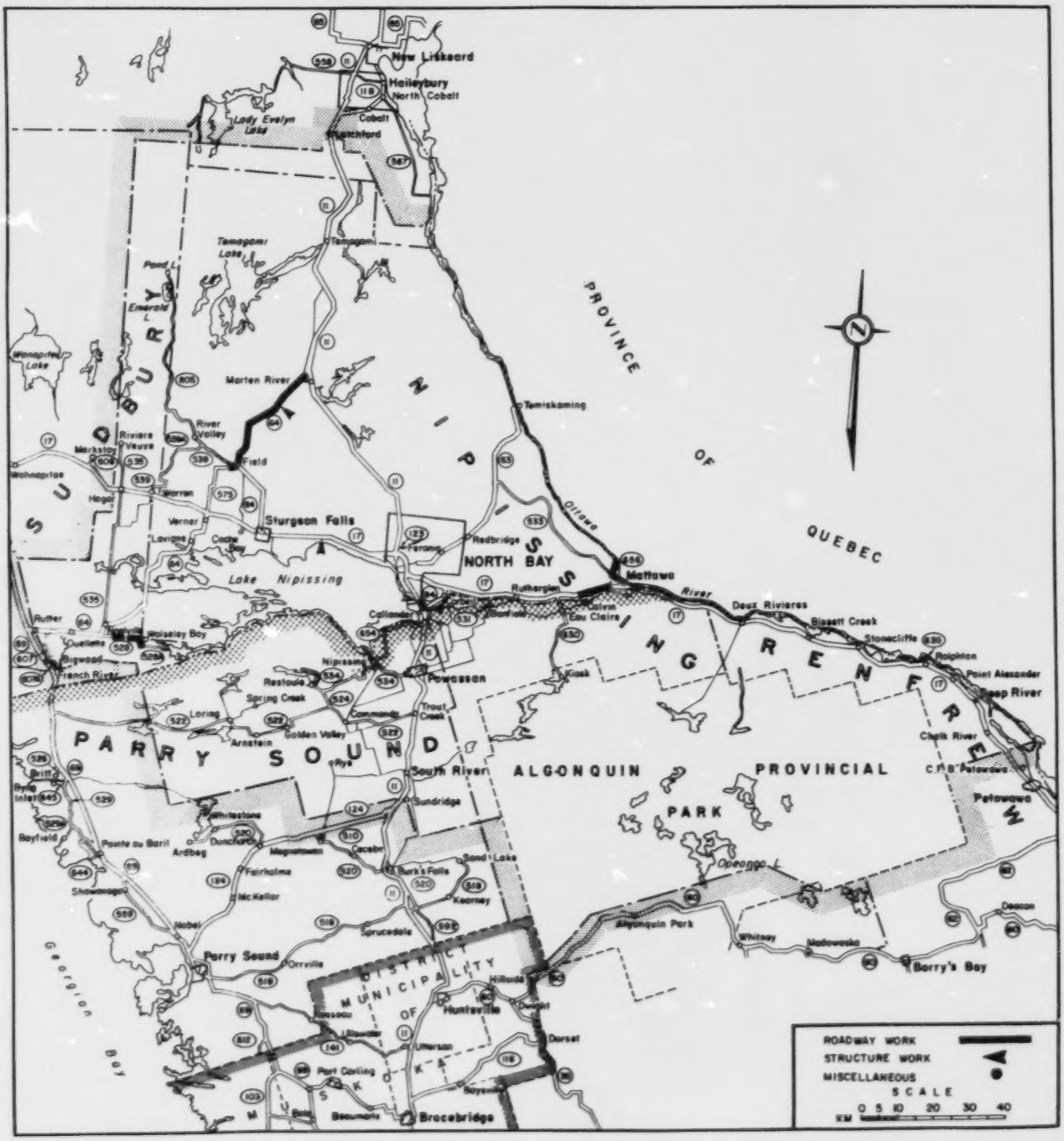
Two-Lane		
Paving	258 km	
Grading and Paving	104 km	
Grading	57 km	
		419.0 km
Multi-Lane Divided		
Grading, Drainage and Structure	3.8 km	
Multi-Lane Undivided		
Grading and Paving	6 km	
TOTAL		428.8 km
Bridges		
Water Crossings	5	
Overpasses and Underpasses	0	
Overheads and Subways	1	
TOTAL		6

An additional 84 km of two lane construction are to be funded by other Provincial Ministries or by joint agreement between Provincial and Federal Governments.



PROGRAM MAP - NORTHERN ONTARIO

NORTH BAY DISTRICT NORTH



WORK IN PROGRESS DURING PAST CONSTRUCTION SEASON

Highway 64 — Bridge Replacement at Martin River — Contract 81-207

Callander Bypass — North Section of Callander Bypass — Contract 79-53

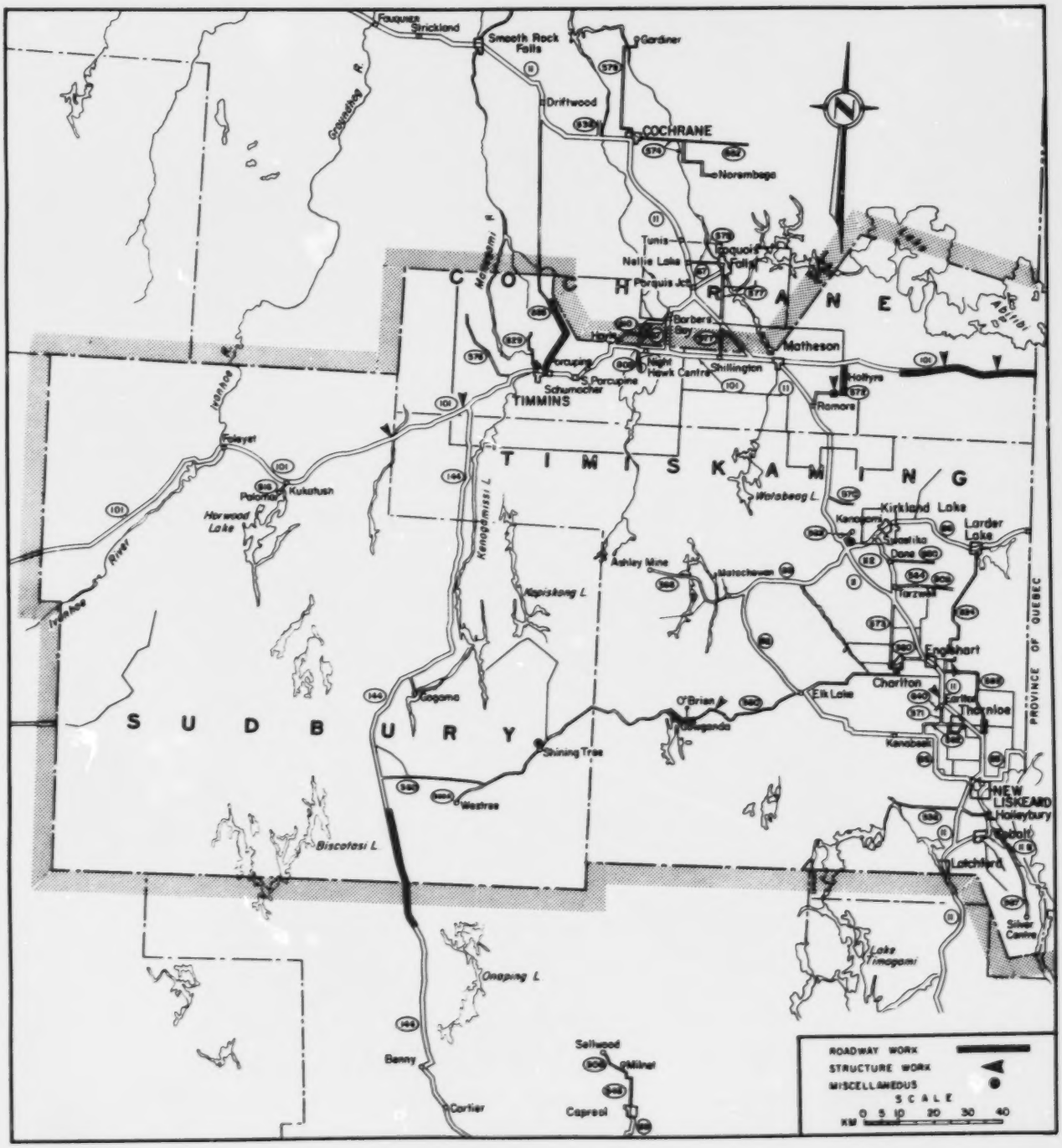
CONSTRUCTION PROJECTS — NORTH BAY DISTRICT

Project Number	Highway Number	Location	Length
Grading, Drainage, Granular Base and Paving			
164-77-1	575	Field Westerly.	1.3 km
Grading, Drainage and Structures			
72-74-1 72-74-2	11	From Highway 94, Callander, northerly, including one associated structure at Highway 94 and the Canadian National Railway.	3.8 km
Paving			
79-72-3 41-77-1	64	From Highway 11 southerly to Field.	34.3 km
Structures			
145-80-1	17	Little Sturgeon River Bridge 18.9 km west of North Bay.	0.0 km
Structure Rehabilitation			
79-72-4	64	Holdridge Creek Bridge 11.9 km south of Highway 11.	0.0 km
Resurfacing			
150-77-2	533	From 1.4 km north of Highway 17 Mattawa Northerly.	3.6 km
150-77-3	656	From Secondary Highway 533 to La Cave.	3.8 km

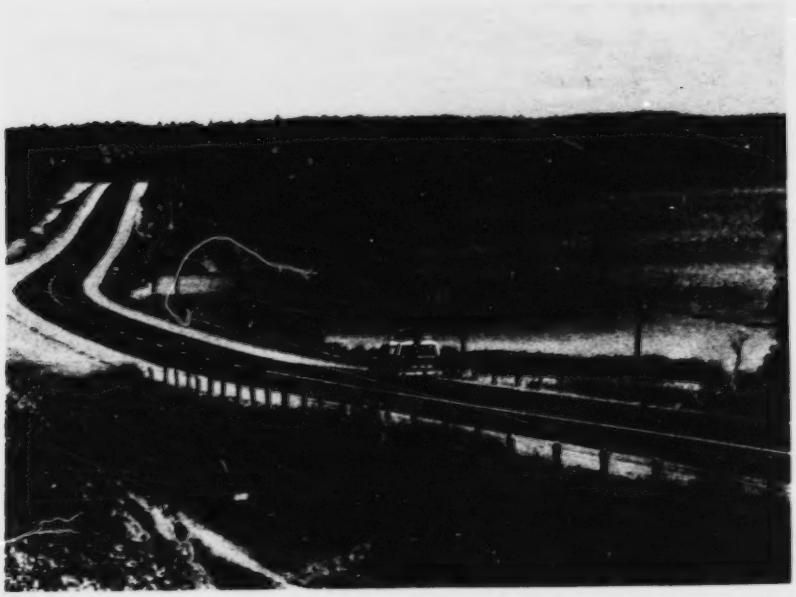
CONSTRUCTION PROJECTS NORTH BAY DISTRICT

Project Number	Highway Number	Location	Length
Resurfacing (Recycled)			
150-77-1	17	From 2.3 km west of Secondary Highway 533, Mattawa westerly including intersection treatment at three locations.	8.0 km
MINOR CAPITAL			
Grading, Drainage and Granular Base			
	528	From 8.8 km to 12.7 km East of Highway 64.	3.9 km
Miscellaneous			
	528	Prime and surface treatment. Also seeding from 3.2 km to 6.5 km east of Highway 64.	3.3 km

NEW LISKEARD DISTRICT



WORK IN PROGRESS DURING PAST CONSTRUCTION SEASON



Highway 66 — Resurfacing (Recycled) Kirkland Lake Easterly — Contract 80-226

Highway 11 — Frost Heave Treatment South of Kenogami — Contract 81-209

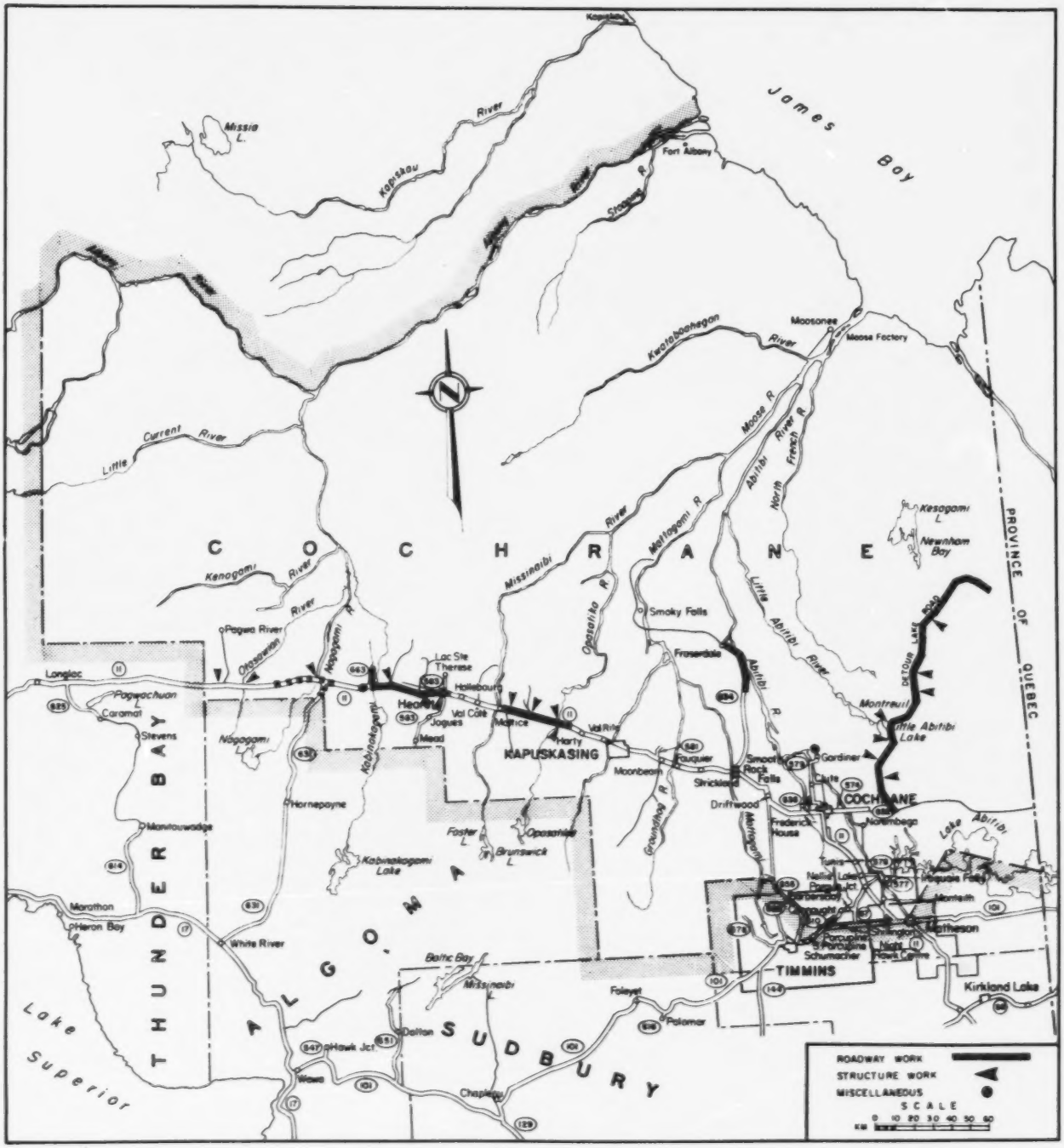
CONSTRUCTION PROJECTS NEW LISKEARD DISTRICT

Project Number	Highway Number	Location	Length
Grading, Drainage, Granular Base and Paving			
689-64-5	629	Intersection treatment at Highway 629 and La-Forrest Road in Timmins.	0.1 km
Grading, Drainage, Granular Base			
11-80-1	560	From 35.5 km west of Elk Lake westerly.	4.3 km
Granular Base and Paving			
166-77-2	101	From the Quebec boundary westerly.	38.2 km
Structure and Approaches			
36-79-1 36-79-2	560	Lost Lake (Calcite Creek) Bridge, 30.6 km west of Elk Lake including approaches.	0.1 km
81-216	572	Black River Bridge and approaches, 4.4 km north of Highway 11.	0.5 km
Structure Rehabilitation			
51-79-1	11	The Ontario Northland Railway overhead at Earlton, 7.9 km north of Secondary Highway 562.	0.0 km

CONSTRUCTION PROJECTS NEW LISKEARD DISTRICT

Project Number	Highway Number	Location	Length
Structure Rehabilitation (Cont'd.)			
166-77-3	101	Ghost River Bridge, 27.6 km west of the Quebec boundary.	0.0 km
166-77-4	101	Mattawasaga River Bridge, 8.4 km west of the Quebec boundary.	0.0 km
689-64-3	101	Opishing River Bridge, 63.3 km east of Foleyet.	0.0 km
689-64-4	101	Cripple Creek Bridge, 82.4 km east of Foleyet.	0.0 km
51-79-2	624	Blanche River Bridge, 4.7 km north of Highway 11 and 569.	0.0 km
Resurfacing			
125-77-1	144	From 9.7 km south of Secondary Highway 560 southerly.	36.1 km
2720-80-2	560	Shining Tree Patrol Yard, paving of the dome pad.	0.0 km
Resurfacing (Recycled)			
689-64-2	655	From Highway 101, Timmins northerly.	13.4 mi.
MINOR CAPITAL			
Grading, Drainage and Granular Base			
	11	Kenogami Lake Patrol Yard, at Highway 66. By Day Labour.	0.0 km
	569	From Highway 11 northerly.	3.4 km
	572	From Highway 101 southerly.	8.0 km

COCHRANE DISTRICT



WORK IN PROGRESS DURING PAST CONSTRUCTION SEASON

Access Detour Lake Road Contract 81-454

Highway 11 Resurfacing (Recycled) Contract 81-212
Smooth Rock Falls Westerly

CONSTRUCTION PROJECTS COCHRANE DISTRICT

Project Number	Highway Number	Location	Length
Grading, Drainage, Granular Base and Structures			
81-454	Access	From 21.5 km north of Secondary Highway 652 northerly, including three associated structures. The above project is funded by the Ministry of Northern Affairs, Northern Economic Development Program.	37.5 km
81-456	Access	From 59.0 km north of Highway 652 northerly, including two associated structures. The above project is funded by the Ministry of Northern Affairs, Northern Economic Development Program.	26.0 km
35-81-1 7-81-6	Access 652	From Secondary Highway northerly on Pierre Lake Road (Detour Lake Connection) including one associated structure. The above project is funded by the Ministry of Northern Affairs, Northern Economic Development Program.	24.0 km
Grading, Drainage and Granular Base			
2703-80-1	579	Gardiner North Ferry Patrol Yard, site development. By Day Labour.	0.0 km

CONSTRUCTION PROJECTS — COCHRANE DISTRICT

Project Number	Highway Number	Location	Length
Grading, Drainage and Granular Base (Cont'd.)			
7-81-3 7-81-4 7-81-15	Access	From 85.0 km north of Secondary Highway 652 northerly. The above project is funded by the Ministry of Northern Affairs, Northern Economic Development Program.	34.8 km
7-81-5	Access	From Kattawagami River Bridge to the mine site. The above project is funded and constructed by Detour Lake Joint Venture.	35.0 km
Prime and Surface Treatment			
96-81-1	11	From Hearst west limits westerly, various locations.	39.0 km
96-81-2	663	From Highway 11 northerly.	5.0 km
Structure			
81-458	Access	Kattawagami River Bridge on the Detour Lake Road.	0.0 km

CONSTRUCTION PROJECTS — COCHRANE DISTRICT

Project Number	Highway Number	Location	Length
Structure Rehabilitation			
81-228	11	Kabinakagami River Bridge, 32.0 km west of Hearst and the Mattawiskwia River Bridge at Hearst.	0.0 km
65-78-3	11	Otasawian River Bridge, 40.2 km west of Secondary Highway 631.	0.0 km
65-78-4	11	Pagwachuan River Bridge 52.3 km west of Secondary Highway 631.	0.0 km
65-78-5	11	Nagagami River Bridge, 2.0 km west of Secondary Highway 631.	0.0 km
157-81-2	11	Frederickhouse River Bridge, 8.0 km west of Cochrane.	0.0 km
Resurfacing (Recycled)			
81-221	11	Mattice easterly to Opasatika including Structure Rehabilitation on four associated structures, and grading drainage, granular base and paving of 0.1 km on Lily Road. Also including paving of the Hearst Airport.	32.0 km
Miscellaneous			
97-81-1	11	Hot Mix Patching, from 7.5 km east of Secondary Highway 631 westerly.	31.0 km

CONSTRUCTION PROJECTS — COCHRANE DISTRICT

Project Number	Highway Number	Location	Length
Miscellaneous (Cont'd.)			
37-79-1	11	Culvert Replacement at Forde Creek, 37.0 km west of Hearst.	0.0 km
2702-80-1	11	Water and Sewer service Hearst Patrol Yard. By Day Labour.	0.0 km
2703-80-2	579	Service and Buildings, Gardiner North Ferry Patrol Yard.	0.0 km
97-81-2	631	Hot Mix Patching, from Highway 11 southerly.	6.0 km
81-457	Access	Clearing, from 85.0 km north of Secondary Highway 652.	34.8 km
7-81-17	Access	Crush and place, granular base crushed material 113,000 tonnes from 59.0 km north of Secondary Highway 652 northerly.	26.0 km
MINOR CAPITAL			
Granular Base			
	634	From 57.2 km north of Smoth Rock Falls.	21.0 km
Prime and Surface Treatment			
	610	From 12.9 km west of Highway 67 westerly.	5.7 km
	634	From 41.1 km north of Smooth Rock Falls northerly.	16.1 km

SUDBURY DISTRICT NORTH

WORK IN PROGRESS DURING PAST CONSTRUCTION SEASON

Highway 549 — Reconstruction of Little Panache Creek Bridge — Contract 80-209

Highway 549 — Reconstruction South of Whitefish — Contract 80-209

CONSTRUCTION PROJECTS SUDBURY DISTRICT

Project Number	Highway Number	Location	Length
Grading, Drainage, Granular Base and Paving			
81-227	108	From 23.0 km north of Highway 17 northerly.	1.7 km
136-80-2	549	Vermilion River Bridge Approaches.	1.0 km
Grading, Drainage and Granular Base			
2721-76-1	17	Walden Road Patrol Yard. By Day Labour.	0.0 km
126-80-1	144	Morgan Road at Larchwood Avenue, Town of Onaping Falls.	0.2 km
132-77-1	144 New	From 9.4 km north of Highway 17 northerly, including intersection improvements.	8.6 km
121-79-1	637	From 17.5 km west of Highway 69 westerly.	7.6 km
Granular Base and Paving			
75-76-2	7042	City of Sudbury, old Highway 69, Cree Road, Crown Ridge Road, old Burwash Road and Gladu Road. To be constructed by others.	2.3 km

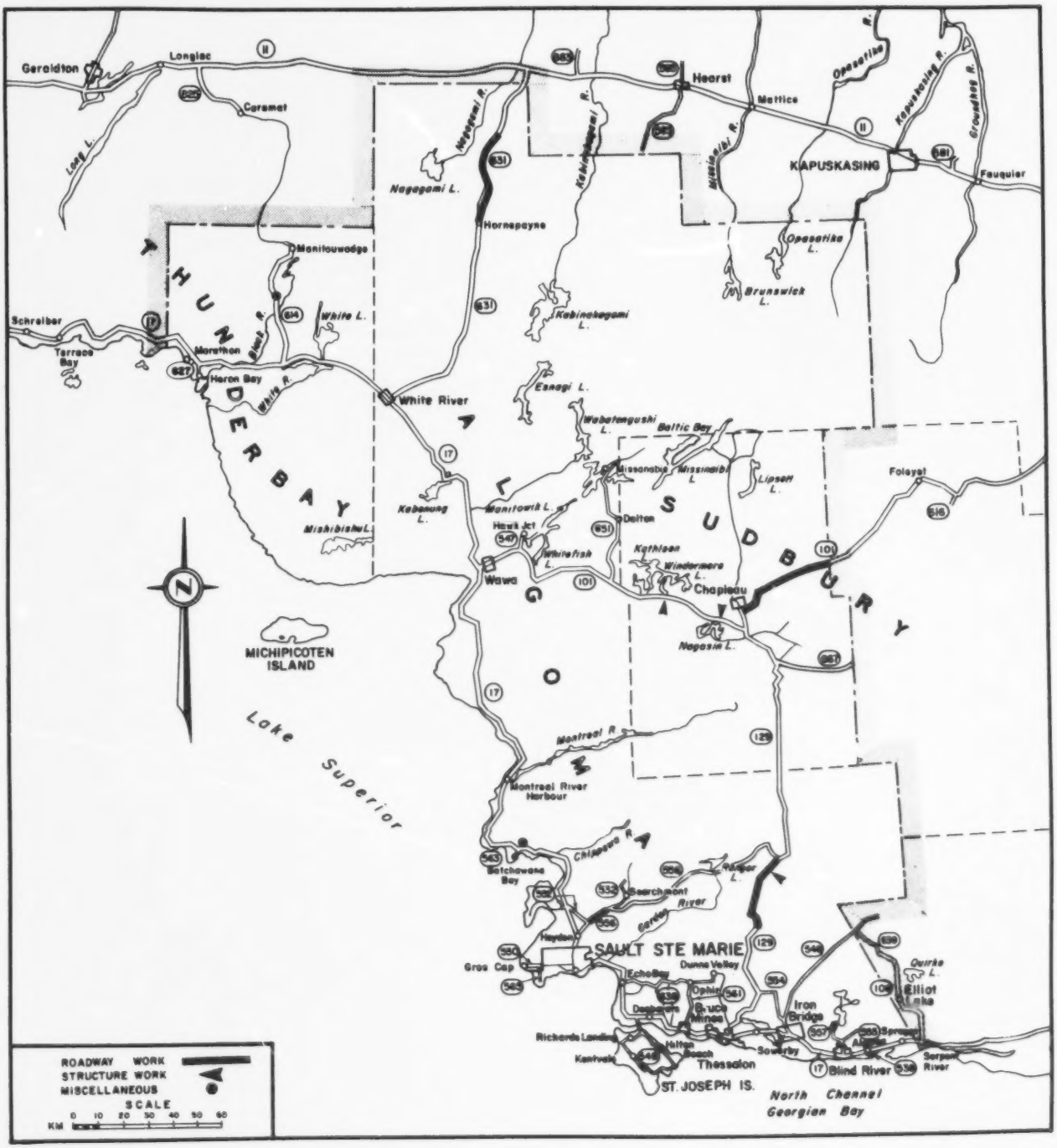
CONSTRUCTION PROJECTS — SUDBURY DISTRICT

Project Number	Highway Number	Location	Length
Structure			
132-77-2	144 New	Levey Creek Bridge, 12.3 km north of Highway 17.	0.0 km
136-80-1	549	Vermilion River Bridge, 6.3 km south of Highway 17.	0.0 km
Structure Rehabilitation			
916-74-7	17	Serpent River Bridge, 2.4 km west of Cutler.	0.0 km
Resurfacing			
916-74-5 916-74-1 916-74-2 916-74-3 916-74-4	17	From Highway 108, easterly including the construction of four passing lanes.	22.9 km
78-81-1	144	Azilda Bypass	3.7 km
25-79-1	144	From 2.3 km west of Regional Road 15 easterly.	3.3 km
54-79-4	549	From Highway 17 southerly to the Vermilion River Bridge.	6.3 km
Resurfacing (Recycled)			
81-200	17	From Highway 6 westerly including 0.3 km of Urban work in the Town of Massey, Paving of McKerrow Patrol Yard and a left turn lane 1.6 km east of Highway 6.	34.3 km

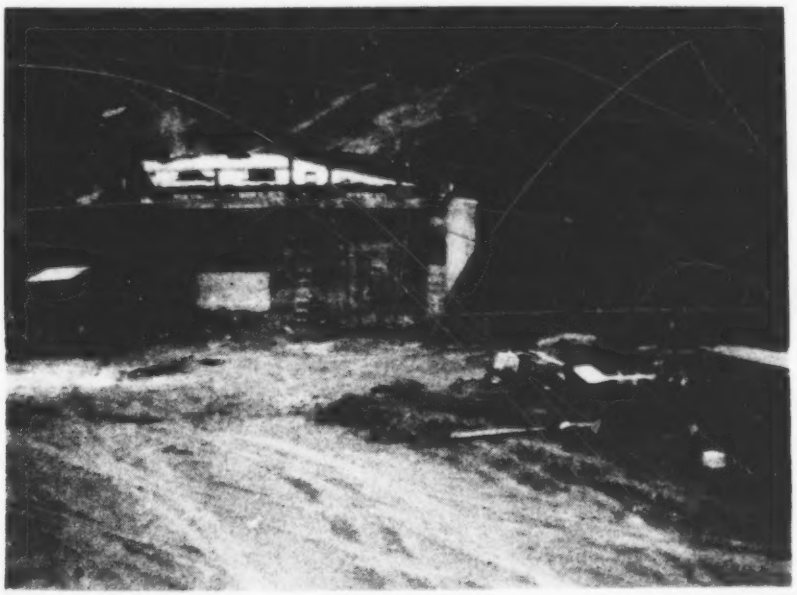
CONSTRUCTION PROJECTS SUDBURY DISTRICT

Project Number	Highway Number	Location	Length
MINOR CAPITAL			
Grading, Drainage and Granular Base			
	540	From 18.0 km west of Silverwater westerly.	1.6 km
	542	From 6.5 km south of Secondary Highway 540 southerly.	1.6 km
Prime and Surface Treatment			
	540	1.0 km west of Evansville westerly and 17.1 km west of Silverwater westerly.	1.3 km
	540A	Secondary Highway 540 westerly.	1.8 km
	542	From 4.6 km south of Secondary Highway 540 southerly.	1.9 km

SAULT STE MARIE DISTRICT



WORK IN PROGRESS DURING PAST CONSTRUCTION SEASON



Highway 638 Thessalon River Structure Contract 80-205
East of Leeburn

Highway 638 Earth Grading Contract 80-205
East of Leeburn

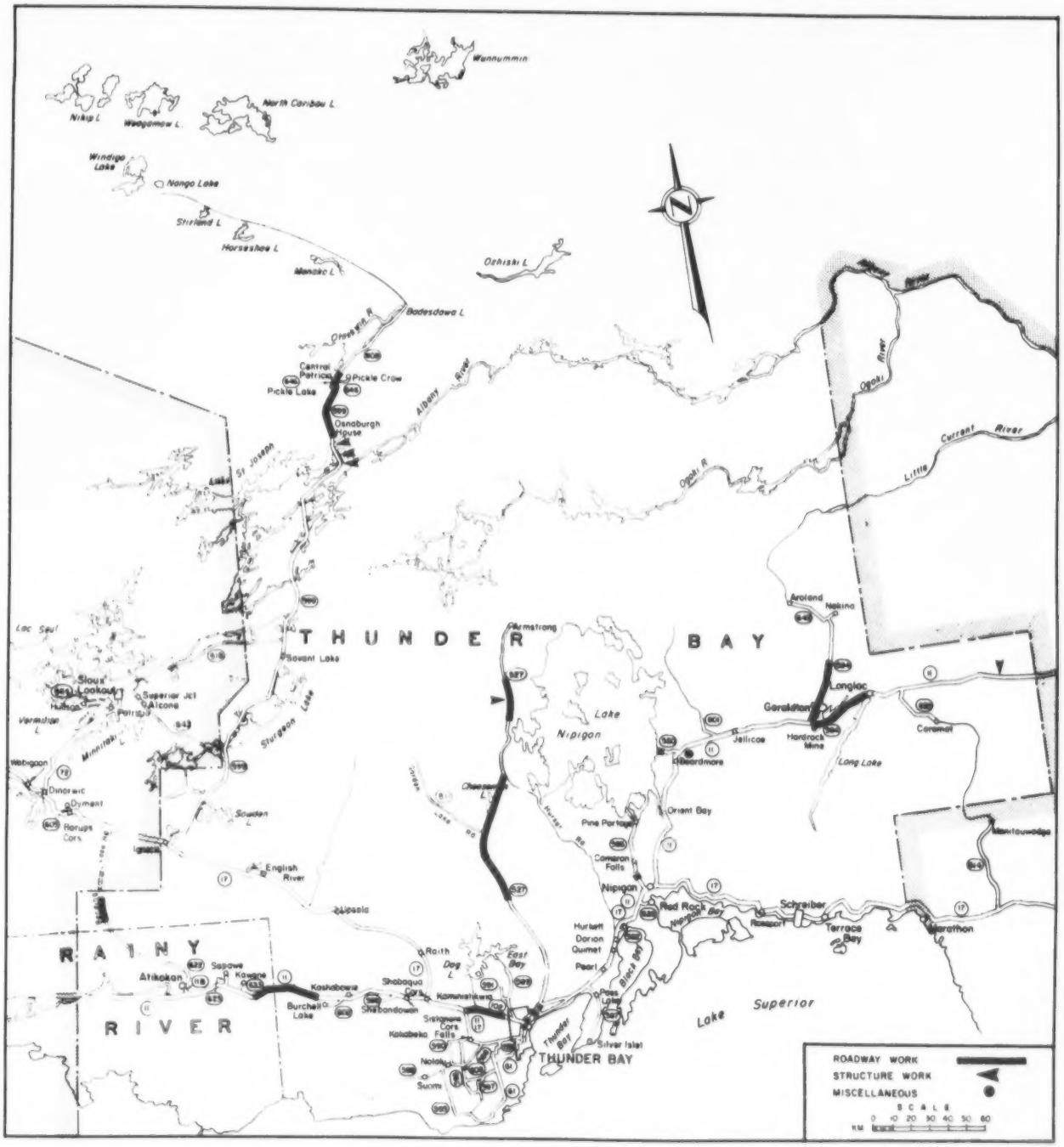
CONSTRUCTION PROJECTS — SAULT STE. MARIE DISTRICT

Project Number	Highway Number	Location	Length
Grading, Drainage, Granular Base, and Paving (Recycled)			
207-77-4	101	From 8.8 km east of Highway 129 easterly.	1.5 km
81-220	556	From Secondary Highway 552 northeasterly and including Paving on Secondary Highway 552 from Highway 17 northerly to Mission Road.	10.5 km
5-76-3	556	From 10.5 km east of Secondary Highway 552 northeasterly.	8.0 km
Grading, Drainage, Granular Base and Structures			
81-210	129	From 32.5 miles north of Secondary Highway 554 northerly,including Gravel River Bridge, Granular Base for 19.8 miles southerly, Grading and Drainage for 0.3 miles from 27.3 miles north of Secondary Highway 554 northerly, and Prime and Surface Treatment.	8.5 mi.
Grading, Drainage and Granular Base			
177-80-1 177-80-2	631	From Hornepayne Bypass northerly.	38.5 km
Structure Rehabilitation			
67-80-1	17	Bridge Deck Replacement - Mississagi River Bridge, in Iron Bridge.	

CONSTRUCTION PROJECTS — SAULT STE. MARIE DISTRICT

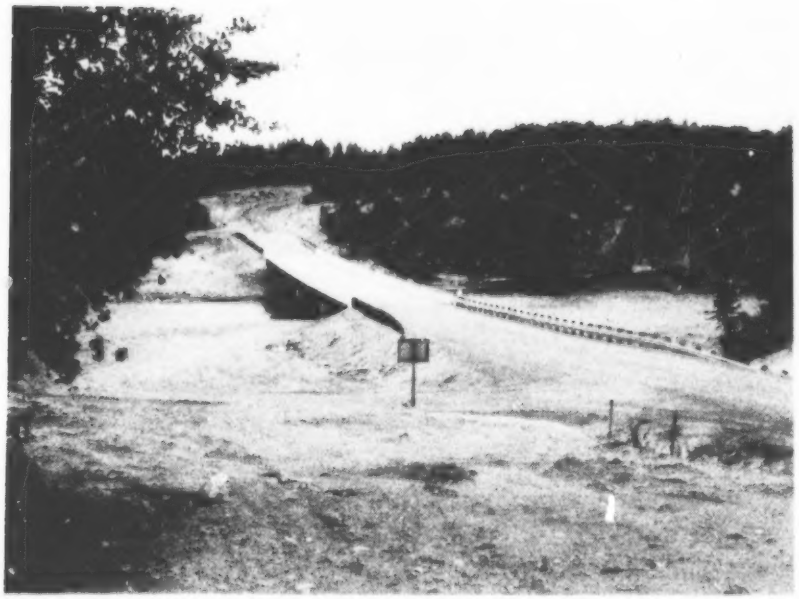
Project Number	Highway Number	Location	Length
Structure Rehabilitation (Cont'd.)			
2-82-1	101	Bridge Deck Waterproofing and Paving - Sideburned Lake Bridge 8.9 km west of Highway 129.	
2-82-2	101	Bridge Deck Waterproofing and Paving -Grazing River Bridge 36.4 km west of Highway 129.	
Resurfacing (Recycled) and Grading			
207-77-1 207-77-5	101	From 0.2 km east of Highway 129 easterly 8.6 km and from 10.3 km east of Highway 129 easterly.	43.9 km
Miscellaneous			
2710-75-1	17	Building-2 Bay Addition at Batchawana Patrol Yard, 77 km north of Sault Ste. Marie.	
12-77-4	614	Automatic Signal Protection - C.P.R. Level Crossing 31.1 km north of Highway 17.	
MINOR CAPITAL			
Grading, Drainage and Granular Base			
7816-80-1	548	From Junction of Fifth Side Road and "P" Line southerly.	1.9 km
7813-80-3	557	From 5.0 km north of Cataract River Bridge northerly.	2.3 km

THUNDER BAY DISTRICT


Wunnumin
Nikip L.
Wapgamow L.
North Caribou L.
Windigo Lake
Nongo Lake
Stirland L.
Horseshoe L.
Mandac L.
Ozhiski L.
Albany River
Bodesdawa L.
Central Patricia
Pickle Crow
Pickle Lake
Osnaburgh House
Lake St. Joseph
Opapi R.
Opapi River
Little Current River
Lac Seul
THUNDER BAY
Armstrong
Savant Lake
Sturgeon Lake
Lake Nipigon
Arolend
Nakina
Geraldton
Longlac
Jellicoe
Hardrock Mine
Beardmore
Caramat
Long Lake
Orient Bay
Pine Portage
Cameron Falls
Nipigon
Red Rock
Schreiber
Rossport
Terrace Bay
Marathon
Manitouwadge
Hurlbatt
Dorion
Quimet
Pearl
Black Bay
Lake Superior
Sioux Lookout
Superior Jct
Alcona
Patricia
Vermilion L.
Minnitaki L.
Wabigoon
Dinorwic
Dyment
Rorups Cors
Sowden L.
English River
Uposala
RAINY RIVER
Raith
Dog L.
East Bay
Atikokan
Sapawe
Kawene
Kashabowie
Burchell Lake
Shebandowan
Shabaqua
Kamanistaweg
Sibley
Sleeping Giant Provincial Park
Sleeping Giant
Sibley Provincial Park
Sleeping Giant Provincial Park
Sibley

WORK IN PROGRESS DURING PAST CONSTRUCTION SEASON

Highway 584 — Grading, North of Geraldton — Contract 80-452



Bending Lake Road

Bridge over the Seine River Diversion, North of Atikokan

CONSTRUCTION PROJECTS THUNDER BAY DISTRICT

Project Number	Highway Number	Location	Length
Grading, Drainage, Granular Base and Paving (Recycled)			
81-224	11	From 10.8 km east of Secondary Highway 633 easterly.	21.8 km
10-75-4	11	From 32.6 km east of Secondary Highway 633 easterly.	16.6 km
906-76-3 906-76-4 906-76-5 62-81-1	11 and 17	Thunder Bay Expressway from Oliver Road easterly to John Street and from Highway 102 easterly to Balsam Street, including widening of the McIntyre River Bridge and intersection improvements at Secondary Highway 527.	5.6 km
Grading, Drainage, Granular Base and Structures			
81-219	527	From 64.4 km north of Tertiary Road 811 northerly including the Kopka River Bridge.	22.6 km
Grading, Drainage and Granular Base			
81-455	584	From 4.5 miles north of Geraldton northerly. The above project is funded by the Ministry of Northern Affairs, Northern Economic Development Program.	10.1 mi.
18-77-4	Access	Bending Lake Road, from 60.5 km north of Secondary Highway 622 northerly.	13.1 km

Project Number	Highway Number	Location	Length
Grading, Drainage, and Granular Base (Cont'd.)			
		The above project is funded by the Ministry of Northern Affairs, Northern Economic Development Program.	
Granular Base and Paving			
81-461	11 and 17	Thunder Bay Expressway Terry Fox Scenic Look-out, 1.0 km east of Hodder Avenue.	
		The above project is funded by the Ministry of Northern Affairs, Northern Economic Development Program.	
11-78-4	527	From 73.3 km north of Highway 11 and 17 northerly to Hurkett Road.	75.5 km
17-76-7 17-76-8	584	From Geraldton northerly including 0.4 km bypassed section.	7.2 km
		The above project is funded by the Ministry of Northern Affairs, Northern Economic Development Program.	
17-76-10	Local	Town of Geraldton, Local Street Sections.	1.6 km
		The above project is fully recoverable.	
2005-71-8 2005-71-10		Geraldton Airport - Taxiway for Lease Lots, and Access Road to Water Base.	
		The above project is funded by the Ministry of Northern Affairs, Northern Economic Development Program.	

CONSTRUCTION PROJECTS THUNDER BAY DISTRICT

Project Number	Highway Number	Location	Length
Structure Rehabilitation			
237-77-3	11	North Pagwachuan River Bridge Deck, 62.8 km east of Secondary Highway 625.	
83-80-3	599	Bridge Deck Expansion Joints, Waterproofing and Paving - Rat River Bridge 35.7 km south of Secondary Highway 646.	
83-80-4	599	Bridge Deck Expansion Joints, Waterproofing and Paving - North Cedar Bridge 44.7 km south of Secondary Highway 646.	
83-80-5	599	Bridge Deck Waterproofing and Paving - South Cedar Bridge 45.2 km south of Secondary Highway 646.	
Resurfacing (Recycled)			
16-77-1	11	From 0.2 km east of Secondary Highway 584 easterly to Kenogami River Bridge in Longlac.	33.5 km
213-62	102	From Sistonens Corners easterly.	3.2 km
214-62-2 215-62	102	From 8.1 km east of Sistonens Corners easterly.	15.2 km
67-81-1	584	From 0.2 km north of Highway 11 northerly.	2.0 km
17-76-9	584	Connecting Link - from Geraldton South to North Limits, including Frost Heave Treatment.	3.2 km

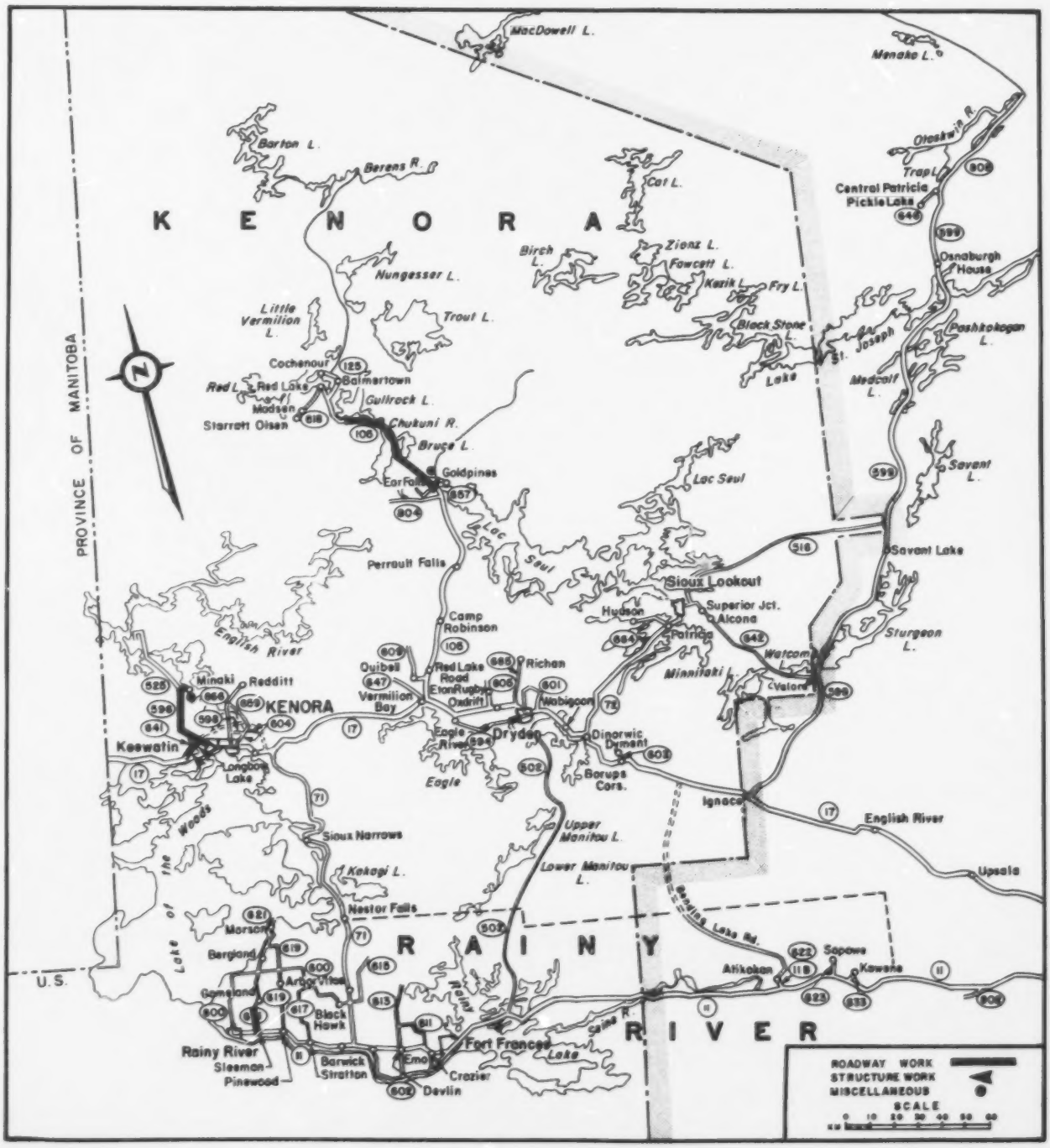
CONSTRUCTION PROJECTS — THUNDER BAY DISTRICT

Project Number	Highway Number	Location	Length
Resurfacing (Recycled) (Cont'd.)			
		The above project is funded by the Municipal Roads Connecting Link Program.	
Resurfacing (Recycled) and Grading			
83-80-1	599	From south limit Osnaburgh Indian Reserve 63B northerly to Secondary Highway 646.	32.2 km
83-80-2	808	From Secondary Highway 599 northerly to Umex Mine Entrance.	3.0 km
		The above project is funded by the Northern Ontario Resources Transportation Committee.	
Miscellaneous			
2711-76-1	11	Building - 2 Bay and Office Addition, Beardmore Patrol Yard,0.5 km north of Beardmore.	
167-81-1 167-81-2	Various	Seeding and Mulching - Various Highways, Thunder Bay District, including sections of Highways 11, 17 and 102, Secondary Highways 584, 590 and 595, Bending Lake Road, and Geraldton Airport.	
		A portion of the above project is funded by the Ministry of Northern Affairs, Northern Economic Development Program.	

MINOR CAPITAL THUNDER BAY DISTRICT

Project Number	Highway Number	Location	Length
Grading, Drainage and Granular Base			
7830-81-1	580	From Highway 11 northerly 9.6 km - various locations including Prime and Surface Treatment.	1.5 km
7817-80-3	585	From Highway 11 and 17 northerly 9.6 km - various locations.	2.3 km
7829-81-1	595	From Secondary Highway 588 southerly 6.5 km to Secondary Highway 608 - various locations.	1.2 km

KENORA DISTRICT



WORK IN PROGRESS DURING PAST CONSTRUCTION SEASON

Highway 596 — Grading — Contract 80-461
South of Minaki

Highway 11 — Resurfacing (Recycling) — Contract 80-230
West of Fort Frances

CONSTRUCTION PROJECTS KENORA DISTRICT

Project Number	Highway Number	Location	Length
Grading, Drainage, Granular Base, Paving and Structures			
81-223	17N	Kenora Bypass, from Secondary Highway 596 westerly to Highway 17, including a structure at the Canadian Pacific Railway and Secondary Highway 641, and a structure at Middle Lake.	7.2 km
Grading, Drainage and Granular Base			
81-452	596	From Secondary Highway 641 northerly. The above project is funded by the Ministry of Northern Affairs, Northern Economic Development Program.	11.3 km
81-459	596	From 0.3 miles north of Darlington Bay Bridge northerly to Secondary Highway 641, including Prime and Surface Treatment. The above project is funded by the Ministry of Northern Affairs, Northern Economic Development Program.	7.8 mi.
90-81-1	657	From 0.5 km east of Highway 105 easterly - Ear Falls. By Day Labour. The above project is funded by the Ministry of Northern Affairs, Northern Economic Development Program.	0.3 km

CONSTRUCTION PROJECTS — KENORA DISTRICT

Project Number	Highway Number	Location	Length
Granular Base and Paving			
81-460	596	From 11.3 km north of Secondary Highway 641 northerly to Minaki, including Minaki Airport. The above project is funded by the Ministry of Northern Affairs, Northern Economic Development Program and the Ministry of Transportation and Communications, Municipal Airport Program.	23.3 km
Structure Rehabilitation			
81-226	71	Strengthening Deck Trusses and adding sidewalk -Sioux Narrows Structure.	
Resurfacing (Recycled) and Grading			
81-205	105	From 2.1 km north of Tertiary Road 804 northerly to Stone Creek, including deck repairs at Trout Lake Bridge, and Chukuni River Bridge on Highway 125, and the Ear Falls Patrol Yard.	54.3 km
Miscellaneous			
81-450	11	Building - 2 Bay Addition, Nickle Lake Patrol Yard, 27 km east of Fort Frances.	

MINOR CAPITAL

KENORA DISTRICT

Project Number	Highway Number	Location	Length
Grading, Drainage and Granular Base			
7836-81-1	594	From Secondary Highway 502 easterly to Dryden, including Prime and Surface Treatment.	3.6 km
7824-80-2	594	From 8.0 km east of Eagle River easterly.	2.4 km
Granular Base			
7825-81-1	621	From Highway 11 northerly.	11.5 km